Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy-Orange
Job No.	0226-1227-1
Client ID.	EO-553922

1. Custody

Isabelle Martin received the samples at 1.4 °C after being relinquished by Enthalpy-Orange.

The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Table 1 - Sample Inventory

EU Lab Sample ID	Client Sample ID	Matrix	Received
0226-1227-001-1	AOC5-SB-01-0.5	solids	2026-02-24
0226-1227-002-1	DUP-02-0.5-260220	solids	2026-02-24

2. Methods and Analytes

A list of analytes of interest and corresponding methods of analysis is shown in Table 3. Abbreviations are defined in the listed Appendices.

Table 3 - Methods and Analytes

EU Method	Analytes	Cleanup Method
EU045	PCDD/F	EU046

3. Analysis

The samples were analyzed using High Resolution GC/MS instrument Galadriel.

4. Calibration

The Initial Calibration (ICAL), Initial Calibration Verification (ICV), and continuing calibration (concal) met method criteria.

5. QC Notes

The HRMS system met mass resolving criteria.

The QC sample results met method acceptance criteria.

GC column performance check passed method specifications.

EPA Method 8290A Solid samples were extracted within 30 days, and extracts analyzed within 45 days.

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6. Reporting Notes

The results presented in this report are representative of the samples as provided to the laboratory.

The TEQ was calculated and reported using I-TEF and WHO-2005 TEF, calculated by multiplying the concentration for each 2,3,7,8-substituted PCDD/F by its toxic equivalency factor (TEF). The Totals and Detection Limits have been included in the report. The TEQ is reported with and without EMPCs included. Additionally, the TEQ may be reported with non-detects treated as having a concentration of zero, a concentration of one-half the EDL, and/or a concentration equal to the EDL.

Solid results are reported on a dry weight basis. “As Is” results are available upon request.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2016 TNI Standard under certificate number 05075.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC - Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers

- Ac - Alternate calculation flag indicates the es recovery was calculated using the opening concal when either of the following situations is encountered in the data processing software: the ES recovery is over 400% or the JS is not detected.
- B – The analyte was found in the method blank, at a concentration that was at least 10% of the amount in the sample.
- Cxx – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group ('xx') are shown with the number of the lowest IUPAC co-eluter**.**
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve). For HRMS data, this condition does not imply additional measurement uncertainty. For LC-MS/MS data, these values should be considered as having measurement uncertainty higher than values within the calibration range.
- EDL – Estimated Detection Level: The EDL is unique to isotope dilution methods and reflects the conditions of analysis at the time of analysis, including the equipment used. Where the MDL is a static value, the EDL is a dynamic value.
- EMPC – Estimated Maximum Possible Concentration: EMPC is specific to Dioxin/Furan tests to indicate the determined ion-abundance ratio was outside the allowed theoretical range (usually due to being near the detection limit, although it can very rarely be caused by a co-eluting interference). The EMPC concentration is adjusted to reflect the value at the theoretical ion-abundance ratio.
- I/IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria. The analyte concentration may be inaccurate due to interference.
- J – The analyte has a concentration below the minimum calibration level (LOQ value) but greater than the LOD. These values should be considered as having measurement uncertainty higher than values within the calibration range
- L - For reports containing PFAS analytes only, this flag indicates that an analyte has a concentration below the Minimum Detection Limit (MDL) . The reported concentration is not recommended for regulatory use as the analyte signal may have a signal-to-noise ratio less than the criteria deemed necessary to be considered a detected analyte.
- LOD – Limit of Detection: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOD. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the minimum detection limit (MDL). The LOD is adjusted for sample weight or volume.

- LOQ – Limit of Quantitation: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOQ. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the reporting limit (RL). The LOQ is adjusted for sample weight or volume.
- <LOD() – Analyte was not found at a concentration high enough to be reported as detected. It is reported as less than the LOD, and the LOD is given in the parentheses.
- <LOQ() – Analyte was not found at a concentration high enough to be reported as above the QSM-defined LOQ or TNI defined Reporting Limit. It is reported as less than the LOQ, and the LOQ is given in the parentheses.
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable due to issues observed in sample preparation or analysis.
- PR – The associated congener(s) is(are) poorly resolved.
- QI – Indicates the presence of a quantitative interference.
- RL – Reporting Limit. Lowest reportable value. The level is higher than the MDL.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected.
- V / Q – The labeled standard recovery is not within method control limits.
- X – Indicates the result is from re-injection/repeat/second-column analysis.

Lab Identifiers/ Data Attributes

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Dilution Data. Result was obtained from the analysis of a dilution. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.

- R – Indicates a re-extraction of the sample.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.
- SAT – Indicates an analyte saturated the detector.

Results

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Summary

	Compound	CAS	AOC5-SB-01-0.5 pg/g	DUP-02-0.5-260220 pg/g
TCDD	2378-TCDD (S)	1746-01-6	0.257 J	ND U
PeCDD	12378-PeCDD (S)	40321-76-4	0.649 J	0.737 J
HxCDD	123478-HxCDD (S)	39227-28-6	0.855 J	1.08 J
	123678-HxCDD (S)	57653-85-7	3.36	6.17
	123789-HxCDD (S)	19408-74-3	2.03 J	2.31 J
HpCDD	1234678-HpCDD (S)	35822-46-9	98.6	394
OCDD	OCDD (S)	3268-87-9	982	2750
TCDF	2378-TCDF (S)	51207-31-9	1.37	1.44
PeCDF	12378-PeCDF (S)	57117-41-6	1.14 J	0.928 J-EMPC
	23478-PeCDF (S)	57117-31-4	ND U	ND U
HxCDF	123478-HxCDF (S)	70648-26-9	2.77	2.48 J
	123678-HxCDF (S)	57117-44-9	8.36	7.61
	234678-HxCDF (S)	60851-34-5	23.8	20.9
	123789-HxCDF (S)	72918-21-9	ND U	ND U
HpCDF	1234678-HpCDF (S)	67562-39-4	26.0	33.4
	1234789-HpCDF (S)	55673-89-7	1.60 J	1.62 J-EMPC
OCDF	OCDF (S)	39001-02-0	77.8	115

TCDD Group Total	41903-57-5	0.489	ND
PeCDD Group Total	36088-22-9	3.42	4.86
HxCDD Group Total	34465-46-8	20.9	41.1
HpCDD Group Total	37871-00-4	181	672
OCDD Group Total		982	2750
TCDF Group Total	55722-27-5	114	122
PeCDF Group Total	30402-15-4	470	455
HxCDF Group Total	55684-94-1	260	237
HpCDF Group Total	38998-75-3	81.7	107
OCDF Group Total		77.8	115

TEQ	ITEQ (ND=0; EMPC=0)	7.21	11.7
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)	7.33	12.0
	ITEQ (ND=EDL EMPC=EDL)	7.44	12.2
	ITEQ (ND=0; EMPC=EMPC)	7.21	11.8
	ITEQ (ND=1/2EDL; EMPC=EMPC)	7.33	12.0
	ITEQ (ND=EDL; EMPC=EMPC)	7.44	12.3
	WTEQ (ND=0; EMPC=0)	6.77	10.1
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)	6.85	10.3
	WTEQ (ND=EDL EMPC=EDL)	6.94	10.5
	WTEQ (ND=0; EMPC=EMPC)	6.77	10.1
	WTEQ (ND=1/2EDL; EMPC=EMPC)	6.85	10.3
	WTEQ (ND=EDL; EMPC=EMPC)	6.94	10.5

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	AOC5-SB-01-0.5				
Sampling Site					
Enthalpy ID	0226-1227-001-1	Prep Batch	EU120072	Tare Weight (g)	0.97
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	6.14
Sampling Date	2026-02-20 10:30	Instrument	Galadriel	Dry Weight (g)	5.6
Received Date	2026-02-24	Sample Vol mL	N/A	Extr. Mass (g)	10.42
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	5.17
AnalysisDate	2026-03-02 19:00	Split Factor	N/A	Dry Weight (g)	5.6
SampleType	Sample	Method Code	EU-045-90S	% Solids	89.6%
Bottle ID	-			Dry Wt. Equiv (g)	9.33

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	L24022746C	0.257	0.536	0.184			J
PeCDD	12378-PeCDD (S)	40321-76-4	L24022746C	0.649	2.68	0.214			J
HxCDD	123478-HxCDD (S)	39227-28-6	L24022746C	0.855	2.68	0.370			J
	123678-HxCDD (S)	57653-85-7	L24022746C	3.36	2.68	0.345			
	123789-HxCDD (S)	19408-74-3	L24022746C	2.03	2.68	0.345			J
HpCDD	1234678-HpCDD (S)	35822-46-9	L24022746C	98.6	2.68	0.765			
OCDD	OCDD (S)	3268-87-9	L24022746C	982	5.36	0.883			
TCDF	2378-TCDF (S)	51207-31-9	L24022746C	1.37	0.536	0.194			
PeCDF	12378-PeCDF (S)	57117-41-6	L24022746C	1.14	2.68	0.356			J
	23478-PeCDF (S)	57117-31-4	L24022746C	ND	2.68	0.316			U
HxCDF	123478-HxCDF (S)	70648-26-9	L24022746C	2.77	2.68	0.565			
	123678-HxCDF (S)	57117-44-9	L24022746C	8.36	2.68	0.474			
	234678-HxCDF (S)	60851-34-5	L24022746C	23.8	2.68	0.537			
	123789-HxCDF (S)	72918-21-9	L24022746C	ND	2.68	0.664			U
HpCDF	1234678-HpCDF (S)	67562-39-4	L24022746C	26.0	2.68	0.514			
	1234789-HpCDF (S)	55673-89-7	L24022746C	1.60	2.68	0.893			J
OCDF	OCDF (S)	39001-02-0	L24022746C	77.8	5.36	0.303			
ES	13C-2378-TCDD (ES)	76523-40-5	L24022746C			0.739	40-135%	78.9%	
	13C-12378-PeCDD (ES)	109719-79-1	L24022746C			1.15	40-135%	83.1%	
	13C-123478-HxCDD (ES)	109719-80-4	L24022746C			0.763	40-135%	75.8%	
	13C-123678-HxCDD (ES)	109719-81-5	L24022746C			0.694	40-135%	78.6%	
	13C-123789-HxCDD (ES)	109719-82-6	L24022746C			0.700	40-135%	74.1%	
	13C-1234678-HpCDD (ES)	109719-83-7	L24022746C			0.957	40-135%	79.2%	
	13C-OCDD (ES)	114423-97-1	L24022746C			0.618	40-135%	73.3%	
	13C-2378-TCDF (ES)	89059-46-1	L24022746C			0.736	40-135%	78.2%	
	13C-12378-PeCDF (ES)	109719-77-9	L24022746C			0.868	40-135%	79.2%	
	13C-23478-PeCDF (ES)	116843-02-8	L24022746C			0.892	40-135%	80.8%	
	13C-123478-HxCDF (ES)	114423-98-2	L24022746C			0.924	40-135%	72.3%	
	13C-123678-HxCDF (ES)	116843-03-9	L24022746C			0.870	40-135%	73.1%	
	13C-234678-HxCDF (ES)	116843-05-1	L24022746C			0.946	40-135%	73.3%	
	13C-123789-HxCDF (ES)	116843-04-0	L24022746C			1.09	40-135%	77.5%	
	13C-1234678-HpCDF (ES)	109719-84-8	L24022746C			1.08	40-135%	75.8%	
	13C-1234789-HpCDF (ES)	109719-94-0	L24022746C			1.25	40-135%	77.1%	
	13C-OCDF (ES)	109719-78-0	L24022746C			0.376	40-135%	71.3%	
CS	37Cl-2378-TCDD (CS)		L24022746C			0.179	20-150%	94.0%	
	13C-12347-PeCDD (CS)		L24022746C			1.22	20-150%	92.3%	
	13C-12346-PeCDF (CS)		L24022746C			0.937	20-150%	90.5%	
	13C-123469-HxCDF (CS)		L24022746C			1.08	20-150%	86.3%	
	13C-1234689-HpCDF (CS)		L24022746C			1.17	20-150%	85.7%	
AS	13C-1368-TCDD (AS)		L24022746C			0.728	20-150%	85.1%	
	13C-1368-TCDF (AS)		L24022746C			0.660	20-150%	80.2%	

TCDD Group Total	41903-57-5		0.489		0.184			
PeCDD Group Total	36088-22-9		3.42		0.214			
HxCDD Group Total	34465-46-8		20.9		0.353			
HpCDD Group Total	37871-00-4		181		0.765			
OCDD Group Total			982		0.883			
TCDF Group Total	55722-27-5		114		0.194			
PeCDF Group Total	30402-15-4		470		0.336			
HxCDF Group Total	55684-94-1		260		0.560			
HpCDF Group Total	38998-75-3		81.7		0.704			
OCDF Group Total			77.8		0.303			

TEQ	ITEQ (ND=0; EMPC=0)		7.21				
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		7.33				
	ITEQ (ND=EDL EMPC=EDL)		7.44				
	ITEQ (ND=0; EMPC=EMPC)		7.21				
	ITEQ (ND=1/2EDL; EMPC=EMPC)		7.33				
	ITEQ (ND=EDL; EMPC=EMPC)		7.44				
	WTEQ (ND=0; EMPC=0)		6.77				
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		6.85				

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	AOC5-SB-01-0.5				
Sampling Site					
Enthalpy ID	0226-1227-001-1	Prep Batch	EU120072	Tare Weight (g)	0.97
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	6.14
Sampling Date	2026-02-20 10:30	Instrument	Galadriel	Dry Weight (g)	5.6
Received Date	2026-02-24	Sample Vol mL	N/A	Extr. Mass (g)	10.42
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	5.17
AnalysisDate	2026-03-02 19:00	Split Factor	N/A	Dry Weight (g)	5.6
SampleType	Sample	Method Code	EU-045-90S	% Solids	89.6%
Bottle ID	-			Dry Wt. Equiv (g)	9.33

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
	WTEQ (ND=EDL EMPC=EDL)			6.94					
	WTEQ (ND=0; EMPC=EMPC)			6.77					
	WTEQ (ND=1/2EDL; EMPC=EMPC)			6.85					
	WTEQ (ND=EDL; EMPC=EMPC)			6.94					

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	DUP-02-0.5-260220				
Sampling Site					
Enthalpy ID	0226-1227-002-1	Prep Batch	EU120072	Tare Weight (g)	0.99
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	6.1
Sampling Date	2026-02-20 00:00	Instrument	Galadriel	Dry Weight (g)	5.48
Received Date	2026-02-24	Sample Vol mL	N/A	Extr. Mass (g)	10.67
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	5.11
AnalysisDate	2026-03-02 19:58	Split Factor	N/A	Dry Weight (g)	5.48
SampleType	Sample	Method Code	EU-045-90S	% Solids	87.9%
Bottle ID	-			Dry Wt. Equiv (g)	9.38

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	L24022747C	ND	0.533	0.247			U
PeCDD	12378-PeCDD (S)	40321-76-4	L24022747C	0.737	2.67	0.280			J
HxCDD	123478-HxCDD (S)	39227-28-6	L24022747C	1.08	2.67	0.279			J
	123678-HxCDD (S)	57653-85-7	L24022747C	6.17	2.67	0.303			
	123789-HxCDD (S)	19408-74-3	L24022747C	2.31	2.67	0.292			J
HpCDD	1234678-HpCDD (S)	35822-46-9	L24022747C	394	2.67	1.26			
OCDD	OCDD (S)	3268-87-9	L24022747C	2750	5.33	1.65			
TCDF	2378-TCDF (S)	51207-31-9	L24022747C	1.44	0.533	0.355			
PeCDF	12378-PeCDF (S)	57117-41-6	L24022747C	0.928	2.67	0.419			J-EMPC
	23478-PeCDF (S)	57117-31-4	L24022747C	ND	2.67	0.382			U
HxCDF	123478-HxCDF (S)	70648-26-9	L24022747C	2.48	2.67	0.565			J
	123678-HxCDF (S)	57117-44-9	L24022747C	7.61	2.67	0.540			
	234678-HxCDF (S)	60851-34-5	L24022747C	20.9	2.67	0.621			
	123789-HxCDF (S)	72918-21-9	L24022747C	ND	2.67	0.757			U
HpCDF	1234678-HpCDF (S)	67562-39-4	L24022747C	33.4	2.67	0.564			
	1234789-HpCDF (S)	55673-89-7	L24022747C	1.62	2.67	0.799			J-EMPC
OCDF	OCDF (S)	39001-02-0	L24022747C	115	5.33	0.439			
ES	13C-2378-TCDD (ES)	76523-40-5	L24022747C			0.756	40-135%	77.5%	
	13C-12378-PeCDD (ES)	109719-79-1	L24022747C			1.30	40-135%	81.8%	
	13C-123478-HxCDD (ES)	109719-80-4	L24022747C			0.944	40-135%	74.0%	
	13C-123678-HxCDD (ES)	109719-81-5	L24022747C			0.858	40-135%	78.6%	
	13C-123789-HxCDD (ES)	109719-82-6	L24022747C			0.865	40-135%	77.9%	
	13C-1234678-HpCDD (ES)	109719-83-7	L24022747C			0.684	40-135%	76.9%	
	13C-OCDD (ES)	114423-97-1	L24022747C			0.435	40-135%	68.5%	
	13C-2378-TCDF (ES)	89059-46-1	L24022747C			0.790	40-135%	79.7%	
	13C-12378-PeCDF (ES)	109719-77-9	L24022747C			1.16	40-135%	80.2%	
	13C-23478-PeCDF (ES)	116843-02-8	L24022747C			1.20	40-135%	79.6%	
	13C-123478-HxCDF (ES)	114423-98-2	L24022747C			0.850	40-135%	73.2%	
	13C-123678-HxCDF (ES)	116843-03-9	L24022747C			0.801	40-135%	74.4%	
	13C-234678-HxCDF (ES)	116843-05-1	L24022747C			0.871	40-135%	72.2%	
	13C-123789-HxCDF (ES)	116843-04-0	L24022747C			1.01	40-135%	81.1%	
	13C-1234678-HpCDF (ES)	109719-84-8	L24022747C			1.37	40-135%	75.7%	
	13C-1234789-HpCDF (ES)	109719-94-0	L24022747C			1.58	40-135%	75.7%	
	13C-OCDF (ES)	109719-78-0	L24022747C			0.581	40-135%	67.6%	
CS	37Cl-2378-TCDD (CS)		L24022747C			0.403	20-150%	93.9%	
	13C-12347-PeCDD (CS)		L24022747C			1.38	20-150%	89.9%	
	13C-12346-PeCDF (CS)		L24022747C			1.26	20-150%	94.6%	
	13C-123469-HxCDF (CS)		L24022747C			0.991	20-150%	90.4%	
	13C-1234689-HpCDF (CS)		L24022747C			1.48	20-150%	87.6%	
AS	13C-1368-TCDD (AS)		L24022747C			0.745	20-150%	82.1%	
	13C-1368-TCDF (AS)		L24022747C			0.708	20-150%	77.2%	

TCDD Group Total	41903-57-5		ND		0.247			
PeCDD Group Total	36088-22-9		4.86		0.280			
HxCDD Group Total	34465-46-8		41.1		0.291			
HpCDD Group Total	37871-00-4		672		1.26			
OCDD Group Total			2750		1.65			
TCDF Group Total	55722-27-5		122		0.355			
PeCDF Group Total	30402-15-4		455		0.401			
HxCDF Group Total	55684-94-1		237		0.621			
HpCDF Group Total	38998-75-3		107		0.682			
OCDF Group Total			115		0.439			

TEQ	ITEQ (ND=0; EMPC=0)		11.7					
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		12.0					
	ITEQ (ND=EDL EMPC=EDL)		12.2					
	ITEQ (ND=0; EMPC=EMPC)		11.8					
	ITEQ (ND=1/2EDL; EMPC=EMPC)		12.0					
	ITEQ (ND=EDL; EMPC=EMPC)		12.3					
	WTEQ (ND=0; EMPC=0)		10.1					
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		10.3					

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	DUP-02-0.5-260220				
Sampling Site					
Enthalpy ID	0226-1227-002-1	Prep Batch	EU120072	Tare Weight (g)	0.99
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	6.1
Sampling Date	2026-02-20 00:00	Instrument	Galadriel	Dry Weight (g)	5.48
Received Date	2026-02-24	Sample Vol mL	N/A	Extr. Mass (g)	10.67
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	5.11
AnalysisDate	2026-03-02 19:58	Split Factor	N/A	Dry Weight (g)	5.48
SampleType	Sample	Method Code	EU-045-90S	% Solids	87.9%
Bottle ID	-			Dry Wt. Equiv (g)	9.38

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
	WTEQ (ND=EDL EMPC=EDL)			10.5					
	WTEQ (ND=0; EMPC=EMPC)			10.1					
	WTEQ (ND=1/2EDL; EMPC=EMPC)			10.3					
	WTEQ (ND=EDL; EMPC=EMPC)			10.5					

QC Data

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	MB-120072-DF				
Sampling Site					
Enthalpy ID	MB-120072-DF	Prep Batch	EU120072	Tare Weight (g)	0
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	1
Sampling Date		Instrument	Galadriel	Dry Weight (g)	1
Received Date		Sample Vol mL	N/A	Extr. Mass (g)	10
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	1
AnalysisDate	2026-03-02 18:02	Split Factor	N/A	Dry Weight (g)	1
SampleType	Blank	Method Code	EU-045-90S	% Solids	100.0%
Bottle ID	-			Dry Wt. Equiv (g)	10.00

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	L24022745C	ND	0.500	0.138			U
PeCDD	12378-PeCDD (S)	40321-76-4	L24022745C	ND	2.50	0.149			U
HxCDD	123478-HxCDD (S)	39227-28-6	L24022745C	ND	2.50	0.262			U
	123678-HxCDD (S)	57653-85-7	L24022745C	ND	2.50	0.294			U
	123789-HxCDD (S)	19408-74-3	L24022745C	ND	2.50	0.323			U
HpCDD	1234678-HpCDD (S)	35822-46-9	L24022745C	ND	2.50	0.256			U
OCDD	OCDD (S)	3268-87-9	L24022745C	ND	5.00	0.337			U
TCDF	2378-TCDF (S)	51207-31-9	L24022745C	ND	0.500	0.0603			U
PeCDF	12378-PeCDF (S)	57117-41-6	L24022745C	ND	2.50	0.0775			U
	23478-PeCDF (S)	57117-31-4	L24022745C	ND	2.50	0.0814			U
HxCDF	123478-HxCDF (S)	70648-26-9	L24022745C	ND	2.50	0.207			U
	123678-HxCDF (S)	57117-44-9	L24022745C	ND	2.50	0.201			U
	234678-HxCDF (S)	60851-34-5	L24022745C	ND	2.50	0.219			U
	123789-HxCDF (S)	72918-21-9	L24022745C	ND	2.50	0.275			U
HpCDF	1234678-HpCDF (S)	67562-39-4	L24022745C	ND	2.50	0.200			U
	1234789-HpCDF (S)	55673-89-7	L24022745C	ND	2.50	0.226			U
OCDF	OCDF (S)	39001-02-0	L24022745C	ND	5.00	0.251			U
ES	13C-2378-TCDD (ES)	76523-40-5	L24022745C			0.672	40-135%	68.9%	
	13C-12378-PeCDD (ES)	109719-79-1	L24022745C			1.23	40-135%	70.2%	
	13C-123478-HxCDD (ES)	109719-80-4	L24022745C			0.783	40-135%	65.0%	
	13C-123678-HxCDD (ES)	109719-81-5	L24022745C			0.712	40-135%	66.2%	
	13C-123789-HxCDD (ES)	109719-82-6	L24022745C			0.718	40-135%	64.3%	
	13C-1234678-HpCDD (ES)	109719-83-7	L24022745C			0.631	40-135%	68.9%	
	13C-OCDD (ES)	114423-97-1	L24022745C			0.570	40-135%	63.4%	
	13C-2378-TCDF (ES)	89059-46-1	L24022745C			0.762	40-135%	67.8%	
	13C-12378-PeCDF (ES)	109719-77-9	L24022745C			1.45	40-135%	67.4%	
	13C-23478-PeCDF (ES)	116843-02-8	L24022745C			1.49	40-135%	67.5%	
	13C-123478-HxCDF (ES)	114423-98-2	L24022745C			0.776	40-135%	65.3%	
	13C-123678-HxCDF (ES)	116843-03-9	L24022745C			0.731	40-135%	62.3%	
	13C-234678-HxCDF (ES)	116843-05-1	L24022745C			0.795	40-135%	64.5%	
	13C-123789-HxCDF (ES)	116843-04-0	L24022745C			0.918	40-135%	65.7%	
	13C-1234678-HpCDF (ES)	109719-84-8	L24022745C			1.04	40-135%	64.8%	
	13C-1234789-HpCDF (ES)	109719-94-0	L24022745C			1.20	40-135%	64.8%	
	13C-OCDF (ES)	109719-78-0	L24022745C			0.375	40-135%	57.3%	
CS	37Cl-2378-TCDD (CS)		L24022745C			0.425	20-150%	85.8%	
	13C-12347-PeCDD (CS)		L24022745C			1.31	20-150%	78.3%	
	13C-12346-PeCDF (CS)		L24022745C			1.56	20-150%	84.4%	
	13C-123469-HxCDF (CS)		L24022745C			0.905	20-150%	78.3%	
	13C-1234689-HpCDF (CS)		L24022745C			1.12	20-150%	80.7%	
AS	13C-1368-TCDD (AS)		L24022745C			0.662	20-150%	82.5%	
	13C-1368-TCDF (AS)		L24022745C			0.683	20-150%	75.7%	

TCDD Group Total	41903-57-5		ND		0.138		
PeCDD Group Total	36088-22-9		ND		0.149		
HxCDD Group Total	34465-46-8		ND		0.293		
HpCDD Group Total	37871-00-4		ND		0.256		
OCDD Group Total			ND		0.337		
TCDF Group Total	55722-27-5		ND		0.0603		
PeCDF Group Total	30402-15-4		ND		0.0795		
HxCDF Group Total	55684-94-1		ND		0.226		
HpCDF Group Total	38998-75-3		ND		0.213		
OCDF Group Total			ND		0.251		

TEQ	ITEQ (ND=0; EMPC=0)		0				
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		0.224				
	ITEQ (ND=EDL EMPC=EDL)		0.449				
	ITEQ (ND=0; EMPC=EMPC)		0				
	ITEQ (ND=1/2EDL; EMPC=EMPC)		0.224				
	ITEQ (ND=EDL; EMPC=EMPC)		0.449				
	WTEQ (ND=0; EMPC=0)		0				
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		0.253				

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	MB-120072-DF				
Sampling Site					
Enthalpy ID	MB-120072-DF	Prep Batch	EU120072	Tare Weight (g)	0
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	1
Sampling Date		Instrument	Galadriel	Dry Weight (g)	1
Received Date		Sample Vol mL	N/A	Extr. Mass (g)	10
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	1
AnalysisDate	2026-03-02 18:02	Split Factor	N/A	Dry Weight (g)	1
SampleType	Blank	Method Code	EU-045-90S	% Solids	100.0%
Bottle ID	-			Dry Wt. Equiv (g)	10.00

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
	WTEQ (ND=EDL EMPC=EDL)			0.505					
	WTEQ (ND=0; EMPC=EMPC)			0					
	WTEQ (ND=1/2EDL; EMPC=EMPC)			0.253					
	WTEQ (ND=EDL; EMPC=EMPC)			0.505					

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	OPR-120072-DF				
Sampling Site					
Enthalpy ID	OPR-120072-DF	Prep Batch	EU120072	Tare Weight (g)	0
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	1
Sampling Date		Instrument	Galadriel	Dry Weight (g)	1
Received Date		Sample Vol mL	N/A	Extr. Mass (g)	10
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	1
AnalysisDate	2026-03-02 16:05	Split Factor	N/A	Dry Weight (g)	1
SampleType	Control	Method Code	EU-045-90S	% Solids	100.0%
Bottle ID	-			Dry Wt. Equiv (g)	10.00

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	L24022743C	22.2	0.500	0.257	75-135%	111%	
PeCDD	12378-PeCDD (S)	40321-76-4	L24022743C	112	2.50	0.385	74-125%	112%	
HxCDD	123478-HxCDD (S)	39227-28-6	L24022743C	107	2.50	0.517	77-130%	107%	
	123678-HxCDD (S)	57653-85-7	L24022743C	114	2.50	0.483	74-134%	114%	
	123789-HxCDD (S)	19408-74-3	L24022743C	106	2.50	0.510	71-138%	106%	
HpCDD	1234678-HpCDD (S)	35822-46-9	L24022743C	110	2.50	0.424	76-125%	110%	
OCDD	OCDD (S)	3268-87-9	L24022743C	211	5.00	0.537	73-135%	106%	
TCDF	2378-TCDF (S)	51207-31-9	L24022743C	21.5	0.500	0.0846	75-135%	108%	
PeCDF	12378-PeCDF (S)	57117-41-6	L24022743C	107	2.50	0.431	77-131%	107%	
	23478-PeCDF (S)	57117-31-4	L24022743C	111	2.50	0.428	75-128%	111%	
HxCDF	123478-HxCDF (S)	70648-26-9	L24022743C	111	2.50	0.633	77-130%	111%	
	123678-HxCDF (S)	57117-44-9	L24022743C	109	2.50	0.553	73-134%	109%	
	234678-HxCDF (S)	60851-34-5	L24022743C	110	2.50	0.593	74-133%	110%	
	123789-HxCDF (S)	72918-21-9	L24022743C	106	2.50	0.701	74-135%	106%	
HpCDF	1234678-HpCDF (S)	67562-39-4	L24022743C	107	2.50	0.725	76-125%	107%	
	1234789-HpCDF (S)	55673-89-7	L24022743C	108	2.50	0.862	73-135%	108%	
OCDF	OCDF (S)	39001-02-0	L24022743C	207	5.00	0.655	66-144%	103%	
ES	13C-2378-TCDD (ES)	76523-40-5	L24022743C			0.601	40-135%	64.9%	
	13C-12378-PeCDD (ES)	109719-79-1	L24022743C			0.770	40-135%	65.4%	
	13C-123478-HxCDD (ES)	109719-80-4	L24022743C			1.24	40-135%	61.6%	
	13C-123678-HxCDD (ES)	109719-81-5	L24022743C			1.13	40-135%	59.7%	
	13C-123789-HxCDD (ES)	109719-82-6	L24022743C			1.14	40-135%	63.2%	
	13C-1234678-HpCDD (ES)	109719-83-7	L24022743C			0.738	40-135%	64.9%	
	13C-OCDD (ES)	114423-97-1	L24022743C			0.600	40-135%	61.2%	
	13C-2378-TCDF (ES)	89059-46-1	L24022743C			0.828	40-135%	65.9%	
	13C-12378-PeCDF (ES)	109719-77-9	L24022743C			1.10	40-135%	66.8%	
	13C-23478-PeCDF (ES)	116843-02-8	L24022743C			1.13	40-135%	65.3%	
	13C-123478-HxCDF (ES)	114423-98-2	L24022743C			0.881	40-135%	60.7%	
	13C-123678-HxCDF (ES)	116843-03-9	L24022743C			0.830	40-135%	61.5%	
	13C-234678-HxCDF (ES)	116843-05-1	L24022743C			0.902	40-135%	61.5%	
	13C-123789-HxCDF (ES)	116843-04-0	L24022743C			1.04	40-135%	64.5%	
	13C-1234678-HpCDF (ES)	109719-84-8	L24022743C			1.21	40-135%	61.2%	
	13C-1234789-HpCDF (ES)	109719-94-0	L24022743C			1.40	40-135%	63.4%	
	13C-OCDF (ES)	109719-78-0	L24022743C			0.328	40-135%	60.9%	
CS	37Cl-2378-TCDD (CS)		L24022743C			0.268	20-150%	82.7%	
	13C-12347-PeCDD (CS)		L24022743C			0.819	20-150%	83.3%	
	13C-12346-PeCDF (CS)		L24022743C			1.19	20-150%	86.3%	
	13C-123469-HxCDF (CS)		L24022743C			1.03	20-150%	83.5%	
	13C-1234689-HpCDF (CS)		L24022743C			1.31	20-150%	85.5%	
AS	13C-1368-TCDD (AS)		L24022743C			0.592	20-150%	81.6%	
	13C-1368-TCDF (AS)		L24022743C			0.743	20-150%	76.9%	

TCDD Group Total	41903-57-5		22.2		0.257			
PeCDD Group Total	36088-22-9		112		0.385			
HxCDD Group Total	34465-46-8		327		0.503			
HpCDD Group Total	37871-00-4		110		0.424			
OCDD Group Total			211		0.537			
TCDF Group Total	55722-27-5		21.5		0.0846			
PeCDF Group Total	30402-15-4		218		0.429			
HxCDF Group Total	55684-94-1		436		0.620			
HpCDF Group Total	38998-75-3		214		0.794			
OCDF Group Total			207		0.655			

TEQ	ITEQ (ND=0; EMPC=0)		221					
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		221					
	ITEQ (ND=EDL EMPC=EDL)		221					
	ITEQ (ND=0; EMPC=EMPC)		221					
	ITEQ (ND=1/2EDL; EMPC=EMPC)		221					
	ITEQ (ND=EDL; EMPC=EMPC)		221					
	WTEQ (ND=0; EMPC=0)		252					
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		252					

Enthalpy Analytical

Job No.: 0226-1227-1 EPA Method 8290A Solid

Enthalpy-Orange EO-553922

Details

Sample Name	OPR-120072-DF				
Sampling Site					
Enthalpy ID	OPR-120072-DF	Prep Batch	EU120072	Tare Weight (g)	0
Matrix	solids	Analyst	angelalewis	Wet Weight (g)	1
Sampling Date		Instrument	Galadriel	Dry Weight (g)	1
Received Date		Sample Vol mL	N/A	Extr. Mass (g)	10
Prep Date	2026-02-26 12:47	Extract Vol mL	0.02	Net Weight (g)	1
AnalysisDate	2026-03-02 16:05	Split Factor	N/A	Dry Weight (g)	1
SampleType	Control	Method Code	EU-045-90S	% Solids	100.0%
Bottle ID	-			Dry Wt. Equiv (g)	10.00

	Compound	CAS	Injection File Name	Sample Concentration pg/g	LOQ pg/g	EDL pg/g	Recovery Limits	Recovery	Flags
	WTEQ (ND=EDL EMPC=EDL)			252					
	WTEQ (ND=0; EMPC=EMPC)			252					
	WTEQ (ND=1/2EDL; EMPC=EMPC)			252					
	WTEQ (ND=EDL; EMPC=EMPC)			252					

Sample Custody

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

0226-1227

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: Required, to be sent via email

Enthalpy Order: EO-553922
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs: Quant Method PfasToBerkeley, EDD Filename TestWIlmGeoTracker EDD

Notes:

ORIGINAL
IF NOT RED,
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Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
AOC5-SB-01-0.5	20-FEB-2026 10:30	553922-001	1	Soil	EPA 8290 - Dioxins & Furans	
DUP-02-0.5-260220	20-FEB-2026 00:00	553922-007	1	Soil	EPA 8290 - Dioxins & Furans	

Notes:	Relinquished By:	Received By:
	[signature]	Isabelle Martin
	Date: 2.23.26 15:00	Date: 2/24/26 10:03
	Date:	Date:
	Date:	Date:

1 of 1

COOLER RECEIPT LOG

JOB ID: _____ Date / Time: 2/24/26 10:03 Initials: IVM

OR

Client: EA Orange

Cooler 1 of 1

Temp °C: 1.4 Thermometer ID: T13 Bottle Order #: N/A

Received via		Check one		Check one			Yes	No
FedEx	☒	On ice:	☒	in a Box:	☐	Cooler seals:	☐	☒
UPS	☐	Melted ice:	☐	in a Cooler:	☐	Sample seals:	☐	☒
DHL	☐	Ambient:	☐	Cooler in Box:	☒	Good condition:	☒	☐
USPS	☐							
Courier	☐							
Other	☐							

Comment:

Cooler _____ of _____

Temp °C: _____ Thermometer ID: _____ Bottle Order #: _____

Received via		Check one		Check one			Yes	No
FedEx	☐	On ice:	☐	in a Box:	☐	Cooler seals:	☐	☐
UPS	☐	Melted ice:	☐	in a Cooler:	☐	Sample seals:	☐	☐
DHL	☐	Ambient:	☐	Cooler in Box:	☐	Good condition:	☐	☐
USPS	☐							
Courier	☐							
Other	☐							

Comment:

2/24/26 IVM

Cooler _____ of _____

Temp °C: _____ Thermometer ID: _____ Bottle Order #: _____

Received via		Check one		Check one			Yes	No
FedEx	☐	On ice:	☐	in a Box:	☐	Cooler seals:	☐	☐
UPS	☐	Melted ice:	☐	in a Cooler:	☐	Sample seals:	☐	☐
DHL	☐	Ambient:	☐	Cooler in Box:	☐	Good condition:	☐	☐
USPS	☐							
Courier	☐							
Other	☐							

Comment:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	554027
Report Level	:	II
Report Date	:	03/16/2026
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: CENTENNIAL HS - Centennial High School, 2606 N Central Ave., Compton, CA 90222

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554027
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/23/26

Sample ID	Lab ID	Collected	Matrix
AOC5-SB-07-0.5	554027-001	02/23/26 07:30	Soil
AOC5-SB-08-0.5	554027-002	02/23/26 08:40	Soil
AOC5-SB-09-0.5	554027-003	02/23/26 08:50	Soil
AOC5-SB-07-2.5	554027-004	02/23/26 07:35	Soil
AOC5-SB-08-2.5	554027-005	02/23/26 08:45	Soil
AOC5-SB-09-2.5	554027-006	02/23/26 08:55	Soil
AOC5-SB-10-0.5	554027-007	02/23/26 08:15	Soil
AOC5-SB-10-2.5	554027-008	02/23/26 08:30	Soil
AOC5-SB-10-5.0	554027-009	02/23/26 08:35	Soil
AOC5-SB-20-0.5	554027-010	02/23/26 13:15	Soil
AOC5-SB-21-0.5	554027-011	02/23/26 10:55	Soil
AOC5-SB-22-0.5	554027-012	02/23/26 13:35	Soil
AOC5-SB-20-2.5	554027-013	02/23/26 13:20	Soil
AOC5-SB-21-2.5	554027-014	02/23/26 11:00	Soil
AOC5-SB-22-2.5	554027-015	02/23/26 13:40	Soil
AOC5-SB-23-0.5	554027-016	02/23/26 09:05	Soil
AOC5-SB-28-0.5	554027-017	02/23/26 12:20	Soil
AOC5-SB-30-0.5	554027-018	02/23/26 10:10	Soil
AOC5-SB-23-2.5	554027-019	02/23/26 09:10	Soil
AOC5-SB-28-2.5	554027-020	02/23/26 12:25	Soil
AOC5-SB-30-2.5	554027-021	02/23/26 10:15	Soil
AOC5-SB-23-5.0	554027-022	02/23/26 09:15	Soil
AOC5-SB-28-5.0	554027-023	02/23/26 12:30	Soil
AOC5-SB-30-5.0	554027-024	02/23/26 10:20	Soil
AOC5-SB-24-0.5	554027-025	02/23/26 09:30	Soil
AOC5-SB-25-0.5	554027-026	02/23/26 13:00	Soil

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554027
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/23/26

Sample ID	Lab ID	Collected	Matrix
AOC5-SB-26-0.5	554027-027	02/23/26 13:25	Soil
AOC5-SB-27-0.5	554027-028	02/23/26 13:45	Soil
AOC5-SB-24-2.5	554027-029	02/23/26 09:35	Soil
AOC5-SB-25-2.5	554027-030	02/23/26 13:05	Soil
AOC5-SB-26-2.5	554027-031	02/23/26 13:30	Soil
AOC5-SB-27-2.5	554027-032	02/23/26 13:50	Soil
AOC5-SB-31-0.5	554027-033	02/23/26 09:40	Soil
AOC5-SB-32-0.5	554027-034	02/23/26 12:35	Soil
AOC5-SB-33-0.5	554027-035	02/23/26 12:45	Soil
AOC5-SB-34-0.5	554027-036	02/23/26 14:00	Soil
AOC5-SB-31-2.5	554027-037	02/23/26 09:50	Soil
AOC5-SB-32-2.5	554027-038	02/23/26 12:40	Soil
AOC5-SB-33-2.5	554027-039	02/23/26 12:50	Soil
AOC5-SB-34-2.5	554027-040	02/23/26 14:05	Soil
DUP-01-0.5-260223	554027-041	02/23/26 00:00	Soil
DUP-01-2.5-260223	554027-042	02/23/26 00:00	Soil
CG-48-0.5	554027-043	02/23/26 00:00	Soil
CG-48-2.5	554027-044	02/23/26 00:00	Soil
CG-54-0.5	554027-045	02/23/26 00:00	Soil
CG-54-2.5	554027-046	02/23/26 00:00	Soil
CG-53-0.5	554027-047	02/23/26 00:00	Soil
CG-53-2.5	554027-048	02/23/26 00:00	Soil
CG-55-0.5	554027-049	02/23/26 00:00	Soil
CG-55-2.5	554027-050	02/23/26 00:00	Soil
CG-55-0.5-DUP	554027-051	02/23/26 00:00	Soil
CG-55-2.5-DUP	554027-052	02/23/26 00:00	Soil

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #:	554027
Project No:	CENTENNIAL HS
Location:	Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received:	02/23/26

Sample ID	Lab ID	Collected	Matrix
CG-52-0.5	554027-053	02/23/26 00:00	Soil
CG-52-2.5	554027-054	02/23/26 00:00	Soil
EB-01-260223	554027-055	02/23/26 14:30	Water
TB-01-260223	554027-056	02/23/26 14:30	Water

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Vanya Keyes	Lab Job Number: 554027 Project No: CENTENNIAL HS Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222 Date Received: 02/23/26

- This data package contains sample and QC results for twenty five soil samples, four four-point soil composites, four three-point soil composites, and two water samples, requested for the above referenced project on 02/24/26. The samples were received in good condition.
- Revised report on 3/16/26 to include additional total Lead result for sample AOC5-SB-28-2.5 as requested.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

- High recovery was observed for MTBE in the MSD for batch 396329; the parent sample was not a project sample, the LCS/LCSD were within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Pesticides (EPA 8081A) Water:
No analytical problems were encountered.

Pesticides (EPA 8081A) Soil:

- Lab numbers 554027-044, 554027-047, 554027-049, 554027-051, and 554027-053 were diluted due to the color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilutions.
- No other analytical problems were encountered.

PCBs (EPA 8082) Water:
No analytical problems were encountered.

PCBs (EPA 8082) Soil:

- Lab numbers 554027-001, 554027-002, 554027-003, 554027-010, 554027-011, 554027-012, 554027-016, 554027-017, 554027-018, 554027-025, 554027-026, 554027-027, 554027-028, 554027-033, 554027-034, 554027-035, 554027-036, and 554027-041 were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- No other analytical problems were encountered.

Metals (EPA 6010B) Water:
No analytical problems were encountered.

Metals (EPA 6010B) Soil:
No analytical problems were encountered.

100.1 Asbestos (EPA 100.1 Asbestos):
AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

Asbestos by PLM (EPA 600/R-93-116):
AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554027
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/23/26

Sample ID: AOC5-SB-07-0.5 **Lab ID: 554027-001** **Collected: 02/23/26 07:30**
Matrix: Soil

554027-001 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**4.2**		mg/Kg	0.98

Sample ID: AOC5-SB-08-0.5 **Lab ID: 554027-002** **Collected: 02/23/26 08:40**
Matrix: Soil

554027-002 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**4.2**		mg/Kg	0.96

Sample ID: AOC5-SB-09-0.5 **Lab ID: 554027-003** **Collected: 02/23/26 08:50**
Matrix: Soil

554027-003 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**21**		mg/Kg	0.95

Sample ID: AOC5-SB-10-0.5 **Lab ID: 554027-007** **Collected: 02/23/26 08:15**

No Detections

Sample ID: AOC5-SB-10-2.5 **Lab ID: 554027-008** **Collected: 02/23/26 08:30**

No Detections

Sample ID: AOC5-SB-10-5.0 **Lab ID: 554027-009** **Collected: 02/23/26 08:35**

No Detections

Sample ID: AOC5-SB-20-0.5 **Lab ID: 554027-010** **Collected: 02/23/26 13:15**
Matrix: Soil

554027-010 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**31**		mg/Kg	1.0

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-21-0.5 **Lab ID: 554027-011** **Collected: 02/23/26 10:55**
Matrix: Soil

554027-011 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**48**		mg/Kg	1.0

Sample ID: AOC5-SB-22-0.5 **Lab ID: 554027-012** **Collected: 02/23/26 13:35**
Matrix: Soil

554027-012 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**13**		mg/Kg	1.0

Sample ID: AOC5-SB-23-0.5 **Lab ID: 554027-016** **Collected: 02/23/26 09:05**
Matrix: Soil

554027-016 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**47**		mg/Kg	0.95

Sample ID: AOC5-SB-28-0.5 **Lab ID: 554027-017** **Collected: 02/23/26 12:20**
Matrix: Soil

554027-017 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**110**		mg/Kg	1.0

Sample ID: AOC5-SB-30-0.5 **Lab ID: 554027-018** **Collected: 02/23/26 10:10**
Matrix: Soil

554027-018 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**7.1**		mg/Kg	0.96

Sample ID: AOC5-SB-28-2.5 **Lab ID: 554027-020** **Collected: 02/23/26 12:25**
Matrix: Soil

554027-020 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**7.4**		mg/Kg	0.99

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-23-5.0	Lab ID: 554027-022	Collected: 02/23/26 09:15

No Detections

Sample ID: AOC5-SB-28-5.0	Lab ID: 554027-023	Collected: 02/23/26 12:30

No Detections

Sample ID: AOC5-SB-30-5.0	Lab ID: 554027-024	Collected: 02/23/26 10:20

No Detections

Sample ID: AOC5-SB-24-0.5	Lab ID: 554027-025	Collected: 02/23/26 09:30
	Matrix: Soil	

554027-025 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**30**		mg/Kg	0.98

Sample ID: AOC5-SB-25-0.5	Lab ID: 554027-026	Collected: 02/23/26 13:00
	Matrix: Soil	

554027-026 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**32**		mg/Kg	0.99

Sample ID: AOC5-SB-26-0.5	Lab ID: 554027-027	Collected: 02/23/26 13:25
	Matrix: Soil	

554027-027 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**5.8**		mg/Kg	0.97

Sample ID: AOC5-SB-27-0.5	Lab ID: 554027-028	Collected: 02/23/26 13:45
	Matrix: Soil	

554027-028 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**12**		mg/Kg	0.95

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-31-0.5	Lab ID: 554027-033	Collected: 02/23/26 09:40
	Matrix: Soil	

554027-033 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**6.6**		mg/Kg	0.99

Sample ID: AOC5-SB-32-0.5	Lab ID: 554027-034	Collected: 02/23/26 12:35
	Matrix: Soil	

554027-034 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**44**		mg/Kg	0.97

Sample ID: AOC5-SB-33-0.5	Lab ID: 554027-035	Collected: 02/23/26 12:45
	Matrix: Soil	

554027-035 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**22**		mg/Kg	0.97

Sample ID: AOC5-SB-34-0.5	Lab ID: 554027-036	Collected: 02/23/26 14:00
	Matrix: Soil	

554027-036 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**13**		mg/Kg	0.97

Sample ID: DUP-01-0.5-260223	Lab ID: 554027-041	Collected: 02/23/26
	Matrix: Soil	

554027-041 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**14**		mg/Kg	0.98

Sample ID: CG-48-0.5	Lab ID: 554027-043	Collected: 02/23/26

No Detections

Sample ID: CG-48-2.5	Lab ID: 554027-044	Collected: 02/23/26

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: CG-53-0.5	Lab ID: 554027-047	Collected: 02/23/26

No Detections

Sample ID: CG-53-2.5	Lab ID: 554027-048	Collected: 02/23/26

No Detections

Sample ID: CG-55-0.5	Lab ID: 554027-049	Collected: 02/23/26

No Detections

Sample ID: CG-55-2.5	Lab ID: 554027-050	Collected: 02/23/26

No Detections

Sample ID: CG-55-0.5-DUP	Lab ID: 554027-051	Collected: 02/23/26

No Detections

Sample ID: CG-55-2.5-DUP	Lab ID: 554027-052	Collected: 02/23/26

No Detections

Sample ID: CG-52-0.5	Lab ID: 554027-053	Collected: 02/23/26

No Detections

Sample ID: CG-52-2.5	Lab ID: 554027-054	Collected: 02/23/26

No Detections

Sample ID: EB-01-260223	Lab ID: 554027-055	Collected: 02/23/26 14:30

No Detections

Sample ID: TB-01-260223	Lab ID: 554027-056	Collected: 02/23/26 14:30

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

Page: 1 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION

Company:	Terraphase Engineering
Report To:	Vanya Keyes
Email:	vanya.keyes@terraphase.com
Address:	18401 Von Karman Ave,
	Irvine, CA
Phone:	949-377-2227
Fax:	

PROJECT INFORMATION

Name:	Centennial High School
Number:	2606 N Central Ave
P.O. #:	Compton, CA 90222
Address:	
Global ID:	
Sampled By:	Madison Garcia

Test Instructions / Comments

IR-10
Temp 3.0°/40.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by UESPA 8290A	VOCs by USEPA 8260B	TPH by USEPA 8015	
1	AOC5-SB-07-0.5	2/23/26	0730	S	G	0	1	8oz	MG		X	X					
2	AOC5-SB-08-0.5		0840								X	X					
3	AOC5-SB-09-0.5		0850								X	X					
4	AOC5-SB-07-2.5		0735														
5	AOC5-SB-08-2.5		0845														
6	AOC5-SB-09-2.5		0855			0	1	8oz									
7	AOC5-SB-10-0.5		0815			6	5	VOAs							X	X	
8	AOC5-SB-10-2.5		0830			6	5	VOAs							X	X	
9	AOC5-SB-10-5.0	2/23/26	0835	S	G	6	5	VOAs							X	X	
10									MG								

composite to CG-48-0.5

composite to CG-48-2.5

Login 554027

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Madison Garcia	~~ENT~~/Env	2/23/26 1500
1 Received By:		GEMA O.	EAMH	2.23.26 1500
2 Relinquished By:		GEMA O	EAMH	2/24/26 10:15
2 Received By:		Leo Brady	enth	2-24-26 / 11:30
3 Relinquished By:		Leo Brady	enth	2-24-26 / 12:40
3 Received By:		A.N. Cole Mendoza	EA	2-24-26 12:40

① NCM

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

Page: 2 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	2606 N Central Ave
Email:	vanya.keyes@terraphase.com	P.O. #:	Compton, CA 90222
Address:	18401 Von Karman Ave,	Address:	
	Irvine, CA		
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Madison Garcia

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by UESPA 8290A	VOCs by USEPA 8260B	TPH by USEPA 8015		Test Instructions / Comments
1	AOC5-SB-20-0.5	2/23/26	1315	S	G	O	1	802	MG		X	X						Composite CG-52-0.5
2	AOC5-SB-21-0.5		1055								X	X						
3	AOC5-SB-22-0.5		1335								X	X						
4	AOC5-SB-20-2.5		1320															Composite CG-52-2.5
5	AOC5-SB-21-2.5		1100															
6	AOC5-SB-22-2.5	2/23/26	1340	S	G	O	1	802	MG									
7																		
8																		
9																		
10																		

Analysis Request: Arsenic by USEPA 6020; Lead by USEPA 6010B; PCBs by USEPA 8082; Title 22 Metals by USEPA 6020/7471A; Dioxins & Furans by UESPA 8290A; VOCs by USEPA 8260B; TPH by USEPA 8015

Test Instructions / Comments: IR-10 Temp 3.0 +/- 0.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Madison Garcia	TEI / Eng	2/23/26 1500
[1] Received By:		GEMA O.	EANA	2-23-26 1500
[2] Relinquished By:		GEMA O.	EANA	2-24-26 10:15
[2] Received By:		Leo BRADY	enth	2-24-26 11:30
[3] Relinquished By:		Leo BRADY	enth	2-24-26 12:40
[3] Received By:		Nicole Mendoza	EA	2-24-26 12:40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

Page: 3 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

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Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	2606 N Central Ave
Email:	vanya.keyes@terraphase.com	P.O. #:	Compton, CA 90222
Address:	18401 Von Karman Ave,	Address:	
	Irvine, CA		
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Madison Garcia

Test Instructions / Comments

IR-10
Temp 3.0°/40.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by UESPA 8290A	VOCs by USEPA 8260B	TPH by USEPA 8015	
1	AOC5-SB-23-0.5	2/23/26	0905	S	G	0	1	8oz	MG		X	X					
2	AOC5-SB-28-0.5		1220								X	X					
3	AOC5-SB-30-0.5		1010								X	X					
4	AOC5-SB-23-2.5		0910														
5	AOC5-SB-28-2.5		1225														
6	AOC5-SB-30-2.5		1015			0	1	8oz									
7	AOC5-SB-23-5.0		0915			6	3	VOAs							X		
8	AOC5-SB-28-5.0		1230			6	3	VOAs							X		
9	AOC5-SB-30-5.0	2/23/26	1020	S	G	6	3	VOAs	MG						X		
10																	

composite to CG-54-0.5 more samples arrive later

composite to CG-54-2.5 more samples arrive later

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Madison Garcia	TEI / Eng	2/23/26 1500
[1] Received By:		GEMA G.	EAN H	2/23/26 1500
[2] Relinquished By:		GEMA G.	EANH	2/24/26 10:15
[2] Received By:		Leo Brady	enth	2-24-26/ 11:30
[3] Relinquished By:		Leo Brady	enth	2-24-26/ 12:40
[3] Received By:		Nicole Mendoza	EA	2-24-26 1240

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

Page: 4 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION

Company:	Terraphase Engineering
Report To:	Vanya Keyes
Email:	vanya.keyes@terraphase.com
Address:	18401 Von Karman Ave,
	Irvine, CA
Phone:	949-377-2227
Fax:	

PROJECT INFORMATION

Name:	Centennial High School
Number:	2606 N Central Ave
P.O. #:	Compton, CA 90222
Address:	
Global ID:	
Sampled By:	Madison Garcia

Test Instructions / Comments

TR-10
Temp 3.0°C/0.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260B	TPH by USEPA 8015		Test Instructions / Comments
1	AOC5-SB-24-0.5	2/23/26	0930	S	G	O	1	8oz	MG		X	X						composite to CG-53-0.5
2	AOC5-SB-25-0.5		1300								X	X						
3	AOC5-SB-26-0.5		1325								X	X						
4	AOC5-SB-27-0.5		1345								X	X						
5	AOC5-SB-24-2.5		0935															composite to CG-53-2.5
6	AOC5-SB-25-2.5		1305															
7	AOC5-SB-26-2.5		1330															
8	AOC5-SB-27-2.5	2/23/26	1350	S	G	O	1	8oz	MG									
9																		
10																		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Madison Garcia	TEI / Eng	2/23/26 1500
[1] Received By:		GEMA O.	EANH	2/23/26 1500
[2] Relinquished By:		GEMA O	EANH	2/24/26 10:15
[2] Received By:		Leo BRADY	enth	2-24-26 / 11:30
[3] Relinquished By:		Leo BRADY	enth	2-24-26 / 12:40
[3] Received By:		Nicole Mendoza	FA	2-24-26 12:40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

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Turn Around Time (rush by advanced notice only)

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2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air, S = Soil/Solid, W = Water, DW = Drinking Water, P = Product, O = Oil, SD = Sediment, T = Tissue, WP = Wipe, WW = Wastewater, X = Other

Sample Type: C = Composite, G = Grab or Discrete, B = Blank, O = Other

Preservatives: 0 = none, 1 = $Na_2S_2O_3$, 2 = HCl, 3 = HNO_3, 4 = H_2SO_4, 5 = NaOH, 6 = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	2606 N Central Ave
Email:	vanya.keyes@terraphase.com	P.O. #:	Compton, CA 90222
Address:	18401 Von Karman Ave,	Address:	
	Irvine, CA		
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Madison Garcia

IR-10 Temp 3.0°C/+0.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by UESPA 8290A	VOCs by USEPA 8260B	TPH by USEPA 8015		Test Instructions / Comments
1	AOCS-SB-31-0.5	2/23/26	0940	S	G	O	2	802	MG		X	X						composite to CG-55-0.5
2	AOCS-SB-32-0.5		1235				1	802			X	X						← split w/ CG-55-0.5 DUP
3	AOCS-SB-33-0.5		1245				2	802			X	X						
4	AOCS-SB-34-0.5		1400				2	802			X	X						
5	AOCS-SB-31-2.5		0950				2	802										composite to CG-55-2.5
6	AOCS-SB-32-2.5		1240				1	802										← split w/ CG-55-2.5-DUP
7	AOCS-SB-33-2.5		1250				2	802										
8	AOCS-SB-34-2.5		1405				2	802										
9	DUP-01-0.5-260223		—				1	802			X	X						
10	DUP-01-2.5-260223	2/23/26	—	S	G	O	1	802	MG									

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Madison Garcia	TEI/Eng	2/23/26 1500
1 Received By:		Gema O.	EAMH	2/23/26 1500
2 Relinquished By:		Gema O.	EAMH	2/24/26 10:15
2 Received By:		Leo Brady	enth	2-24-26 / 11:30
3 Relinquished By:		Leo Brady	enth	2-24-26 / 12:40
3 Received By:		Nicole Mendoza	EA	2-24-26 12:40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

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Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

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Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	2606 N Central Ave
Email:	vanya.keyes@terraphase.com	P.O. #:	Compton, CA 90222
Address:	18401 Von Karman Ave,	Address:	
	Irvine, CA		
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Madison Garcia

Analysis Request

Test Instructions / Comments

IR-10
Temp 3.0°C/+0.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	Test Instructions / Comments
1	CG-48-0.5									X	X	
2	CG-48-2.5									X	X	
3	CG-54-0.5									X	X	additional samples arrive later ↓
4	CG-54-2.5									X	X	↓
5	CG-53-0.5									X	X	
6	CG-53-2.5									X	X	
7	CG-55-0.5									X	X	
8	CG-55-2.5									X	X	
9	CG-55-0.5-DUP									X	X	split with CG-55-0.5
10	CG-55-2.5-DUP									X	X	split with CG-55-2.5

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Madison Garcia	TEI / Eng	2/23/26 1500
[1] Received By:		GEMA O.	ENTH	2/23/26 1500
[2] Relinquished By:		GEMA O.	ENTH	2/24/26 10:15
[2] Received By:		LEO BRADY	ENTH	2-24-26 11:30
[3] Relinquished By:		LEO BRADY	ENTH	2-24-26 12:40
[3] Received By:		Nicole Mendoza	EA	2-24-26 1240

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554027

Page: 7 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

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Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	2606 N Central Ave
Email:	vanya.keyes@terraphase.com	P.O. #:	Compton, CA 90222
Address:	18401 Von Karman Ave,	Address:	
	Irvine, CA		
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Madison Garcia

Test Instructions / Comments

IR-10
Temp 3.0 +/- 0.2

Please also send report to clare.steedman@terraphase.com, madison.garcia@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	Lead 6010B	PCBs 8082	VOCs 8260B	TPH 8015
1	CG-52-0.5									X	X				
2	CG-52-2.5									X	X				
3	EB-01-260223	2/23/26	1430	W	G	6	3 5	1L amber 40ml VOAs	MG	X	X	X	X	X	X
4	TB-01-260223	2/23/26	1430	W	G	2	2	VOAs	MG					X	X
5															
6															
7															
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Madison Garcia	TE/Eng	2/23/26 1500
[1] Received By:		Gema C.	ENTH	2-23-26 1500
[2] Relinquished By:		Gema C.	ENTH	2/24/26 10:15
[2] Received By:		Leo Brady	ENTH	2-24-26 11:30
[3] Relinquished By:		Leo Brady	ENTH	2-24-26 12:40
[3] Received By:		Nicole Mendoza	FA	2-24-26 1240

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/23/26 WO# _____ Client: Terraphase

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/23/26 By (initials) JKO Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.8°C

Cooler Temp (°C) #1: 16.1 / 15.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✗
13) Are VOA vials free from headspace/bubbles > 6mm?			✗

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/24/26 WO# 554027 Client: Terraphase

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/24/26 By (initials) LXB Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 10 CF: +0.2

Cooler Temp (°C) #1: 3.0 / 3.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?		X	
7) Does the container count match the CoC? (1)	~~X~~	X	
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?	X		

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4, 6: -022: Sample container ID is "AOC5-SB-23" vs COC ID "AOC5-SB-23-5.0"

-007, -008, -009, -022, -023: No sample times on the jars only.

4.7: Samples -007, -008, -009, -022, -023, -024: Received a soil jar for each sample.

☐ **No additional discrepancies**

Date Logged 2/23/26 **By (print)** ABD **(sign)** AdJ

Date Labeled 2/24/26 **By (print)** JXR **(sign)** AdJ for JXR

(1) ABD 2/24/26

Outlook

RE: [External] - RE: Analysis of deeper samples requested for Centennial

From Vanya Keyes <vanya.keyes@terraphase.com>
Date Thu 3/12/2026 11:50 AM
To Patricia Mata <patty.mata@enthalpy.com>
Cc Clare Steedman <clare.steedman@terraphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi Patty,
I'd like to add these additional samples to be analyzed:

- Lead
  - AOC4-SB-46-2.5
  - AOC5-SB-28-2.5

Thank you!

Vanya Keyes
Senior Project Geologist
(949) 990-0182

From: Patricia Mata <patty.mata@enthalpy.com>
Sent: Monday, March 9, 2026 11:24 AM
To: Vanya Keyes <vanya.keyes@terraphase.com>
Cc: Clare Steedman <clare.steedman@terraphase.com>
Subject: Re: [External] - RE: Analysis of deeper samples requested for Centennial

Hi Vanya,

I'm back from vacation today and I will put in the 2 x PCB test requests on std 5 day TAT.

With Regards,
Patty Mata
Project Manager
Enthalpy Analytical
Direct: +1-714-771-9930 | Mobile: +1-714-323-2586
patty.mata@enthalpy.com

From: Vanya Keyes <vanya.keyes@terraphase.com>
Sent: Friday, March 6, 2026 11:42 AM
To: Patricia Mata <patty.mata@enthalpy.com>
Cc: Clare Steedman <clare.steedman@terraphase.com>
Subject: RE: [External] - RE: Analysis of deeper samples requested for Centennial

ENTHALPY ANALYTICAL

Analysis Results for 554027

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554027
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/23/26

Sample ID: AOC5-SB-07-0.5 **Lab ID: 554027-001** **Collected: 02/23/26 07:30**
Matrix: Soil

554027-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.2**		mg/Kg	0.98	0.98	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	84%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-08-0.5 **Lab ID: 554027-002** **Collected: 02/23/26 08:40**
Matrix: Soil

554027-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.2**		mg/Kg	0.96	0.96	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	90%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-09-0.5	Lab ID: 554027-003	Collected: 02/23/26 08:50
	Matrix: Soil	

554027-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**21**		mg/Kg	0.95	0.95	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	88%		%REC	50-127	0.98	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

Sample ID: AOC5-SB-10-0.5	Lab ID: 554027-007	Collected: 02/23/26 08:15
	Matrix: Soil	

554027-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.4	0.81	396630	02/27/26	02/27/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	93%		%REC	59-122	0.81	396630	02/27/26	02/27/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	9.9	0.99	396362	02/25/26	02/25/26	DIB
DRO C10-C28	ND		mg/Kg	9.9	0.99	396362	02/25/26	02/25/26	DIB
ORO C28-C44	ND		mg/Kg	20	0.99	396362	02/25/26	02/25/26	DIB
Surrogates				**Limits**					
n-Triacontane	93%		%REC	59-136	0.99	396362	02/25/26	02/25/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	80	0.8	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	80	0.8	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

554027-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	8.0	0.8	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Bromoform	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	4.0	0.8	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-130	0.8	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	110%		%REC	70-130	0.8	396501	02/26/26	02/26/26	LYZ
Toluene-d8	100%		%REC	70-130	0.8	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	100%		%REC	70-130	0.8	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

Sample ID: AOC5-SB-10-2.5	Lab ID: 554027-008	Collected: 02/23/26 08:30
	Matrix: Soil	

554027-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.1	0.7	396630	02/27/26	02/27/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	95%		%REC	59-122	0.7	396630	02/27/26	02/27/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	10	1	396362	02/25/26	02/25/26	DIB
DRO C10-C28	ND		mg/Kg	10	1	396362	02/25/26	02/25/26	DIB
ORO C28-C44	ND		mg/Kg	20	1	396362	02/25/26	02/25/26	DIB
Surrogates				**Limits**					
n-Triacontane	95%		%REC	59-136	1	396362	02/25/26	02/25/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	83	0.83	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	83	0.83	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

554027-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	8.3	0.83	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Bromoform	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	4.1	0.83	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	100%		%REC	70-130	0.83	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	110%		%REC	70-130	0.83	396501	02/26/26	02/26/26	LYZ
Toluene-d8	99%		%REC	70-130	0.83	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	98%		%REC	70-130	0.83	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

Sample ID: AOC5-SB-10-5.0	Lab ID: 554027-009	Collected: 02/23/26 08:35
	Matrix: Soil	

554027-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.7	0.89	396630	02/27/26	02/27/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	96%		%REC	59-122	0.89	396630	02/27/26	02/27/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	9.9	0.99	396362	02/25/26	02/25/26	DIB
DRO C10-C28	ND		mg/Kg	9.9	0.99	396362	02/25/26	02/25/26	DIB
ORO C28-C44	ND		mg/Kg	20	0.99	396362	02/25/26	02/25/26	DIB
Surrogates				**Limits**					
n-Triacontane	95%		%REC	59-136	0.99	396362	02/25/26	02/25/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	77	0.77	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	77	0.77	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554027

554027-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	7.7	0.77	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Bromoform	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	3.9	0.77	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-130	0.77	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130	0.77	396501	02/26/26	02/26/26	LYZ
Toluene-d8	99%		%REC	70-130	0.77	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	101%		%REC	70-130	0.77	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-20-0.5	Lab ID: 554027-010	Collected: 02/23/26 13:15
	Matrix: Soil	

554027-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**31**		mg/Kg	1.0	1	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	82%		%REC	50-127	0.98	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-21-0.5	Lab ID: 554027-011	Collected: 02/23/26 10:55
	Matrix: Soil	

554027-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**48**		mg/Kg	1.0	1	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	76%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-22-0.5	Lab ID: 554027-012	Collected: 02/23/26 13:35
	Matrix: Soil	

554027-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**13**		mg/Kg	1.0	1	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	80%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-23-0.5	Lab ID: 554027-016	Collected: 02/23/26 09:05
	Matrix: Soil	

554027-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**47**		mg/Kg	0.95	0.95	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	50	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	78%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: AOC5-SB-28-0.5	Lab ID: 554027-017	Collected: 02/23/26 12:20
	Matrix: Soil	

554027-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**110**		mg/Kg	1.0	1	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	83%		%REC	50-127	0.99	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-30-0.5	Lab ID: 554027-018	Collected: 02/23/26 10:10
	Matrix: Soil	

554027-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**7.1**		mg/Kg	0.96	0.96	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	81%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-28-2.5	Lab ID: 554027-020	Collected: 02/23/26 12:25
	Matrix: Soil	

554027-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**7.4**		mg/Kg	0.99	0.99	397934	03/13/26	03/13/26	SBW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: AOC5-SB-23-5.0	Lab ID: 554027-022	Collected: 02/23/26 09:15
	Matrix: Soil	

554027-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	90	0.9	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	90	0.9	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	9.0	0.9	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

554027-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Bromoform	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	4.5	0.9	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-130	0.9	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-130	0.9	396501	02/26/26	02/26/26	LYZ
Toluene-d8	98%		%REC	70-130	0.9	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	100%		%REC	70-130	0.9	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: AOC5-SB-28-5.0	Lab ID: 554027-023	Collected: 02/23/26 12:30
	Matrix: Soil	

554027-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	70	0.7	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	70	0.7	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	7.0	0.7	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

554027-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Bromoform	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	3.5	0.7	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-130	0.7	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130	0.7	396501	02/26/26	02/26/26	LYZ
Toluene-d8	98%		%REC	70-130	0.7	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	98%		%REC	70-130	0.7	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: AOC5-SB-30-5.0	Lab ID: 554027-024	Collected: 02/23/26 10:20
	Matrix: Soil	

554027-024 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Freon 12	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Chloromethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Vinyl Chloride	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Bromomethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Chloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Trichlorofluoromethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Acetone	ND		ug/Kg	68	0.68	396501	02/26/26	02/26/26	LYZ
Freon 113	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Methylene Chloride	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
MTBE	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1-Dichloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
2-Butanone	ND		ug/Kg	68	0.68	396501	02/26/26	02/26/26	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
2,2-Dichloropropane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Chloroform	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Bromochloromethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1-Dichloropropene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Carbon Tetrachloride	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Benzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Trichloroethene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dichloropropane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Bromodichloromethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Dibromomethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Toluene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,3-Dichloropropane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Tetrachloroethene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Dibromochloromethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dibromoethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Chlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Ethylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
m,p-Xylenes	ND		ug/Kg	6.8	0.68	396501	02/26/26	02/26/26	LYZ
o-Xylene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Styrene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

554027-024 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Bromoform	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Isopropylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Propylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Bromobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
2-Chlorotoluene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
4-Chlorotoluene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
tert-Butylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
sec-Butylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
para-Isopropyl Toluene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
n-Butylbenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Hexachlorobutadiene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Naphthalene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Xylene (total)	ND		ug/Kg	3.4	0.68	396501	02/26/26	02/26/26	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-130	0.68	396501	02/26/26	02/26/26	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-130	0.68	396501	02/26/26	02/26/26	LYZ
Toluene-d8	99%		%REC	70-130	0.68	396501	02/26/26	02/26/26	LYZ
Bromofluorobenzene	98%		%REC	70-130	0.68	396501	02/26/26	02/26/26	LYZ

Sample ID: AOC5-SB-24-0.5 **Lab ID: 554027-025** **Collected: 02/23/26 09:30**
Matrix: Soil

554027-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**30**		mg/Kg	0.98	0.98	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	71%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-25-0.5	Lab ID: 554027-026	Collected: 02/23/26 13:00
	Matrix: Soil	

554027-026 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**32**		mg/Kg	0.99	0.99	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	50-127	0.99	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-26-0.5	Lab ID: 554027-027	Collected: 02/23/26 13:25
	Matrix: Soil	

554027-027 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.8**		mg/Kg	0.97	0.97	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	80%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-27-0.5	Lab ID: 554027-028	Collected: 02/23/26 13:45
	Matrix: Soil	

554027-028 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	0.95	0.95	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	69%		%REC	50-127	0.98	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-31-0.5	Lab ID: 554027-033	Collected: 02/23/26 09:40
	Matrix: Soil	

554027-033 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.6**		mg/Kg	0.99	0.99	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	76%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-32-0.5	Lab ID: 554027-034	Collected: 02/23/26 12:35
	Matrix: Soil	

554027-034 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**44**		mg/Kg	0.97	0.97	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	50	0.99	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	69%		%REC	50-127	0.99	396769	03/01/26	03/02/26	KMB

Sample ID: AOC5-SB-33-0.5	Lab ID: 554027-035	Collected: 02/23/26 12:45
	Matrix: Soil	

554027-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**22**		mg/Kg	0.97	0.97	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	82%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: AOC5-SB-34-0.5	Lab ID: 554027-036	Collected: 02/23/26 14:00
	Matrix: Soil	

554027-036 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**13**		mg/Kg	0.97	0.97	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	51	1	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	79%		%REC	50-127	1	396769	03/01/26	03/02/26	KMB

Sample ID: DUP-01-0.5-260223	Lab ID: 554027-041	Collected: 02/23/26
	Matrix: Soil	

554027-041 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**14**		mg/Kg	0.98	0.98	396353	02/25/26	02/25/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1221	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1232	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1242	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1248	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1254	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1260	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1262	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Aroclor-1268	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Total PCBs	ND		ug/Kg	49	0.98	396769	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	79%		%REC	50-127	0.98	396769	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-48-0.5	Lab ID: 554027-043	Collected: 02/23/26
	Matrix: Soil	

554027-043 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
beta-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
gamma-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
delta-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Heptachlor	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Aldrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan I	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Dieldrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDE	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan II	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDD	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin aldehyde	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin ketone	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDT	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Methoxychlor	ND		ug/Kg	10	1	396778	03/01/26	03/02/26	XLY
Toxaphene	ND		ug/Kg	100	1	396778	03/01/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/Kg	51	1	396778	03/01/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	87%		%REC	58-120	1	396778	03/01/26	03/02/26	XLY
Decachlorobiphenyl	78%		%REC	47-120	1	396778	03/01/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-48-2.5	Lab ID: 554027-044	Collected: 02/23/26
	Matrix: Soil	

554027-044 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
beta-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
gamma-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
delta-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Heptachlor	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Aldrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Heptachlor epoxide	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan I	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Dieldrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDE	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan II	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan sulfate	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDD	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin aldehyde	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin ketone	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDT	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Methoxychlor	ND		ug/Kg	20	2	396778	03/01/26	03/02/26	KMB
Toxaphene	ND		ug/Kg	200	2	396778	03/01/26	03/02/26	KMB
Chlordane (Technical)	ND		ug/Kg	100	2	396778	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
TCMX	93%		%REC	58-120	2	396778	03/01/26	03/02/26	KMB
Decachlorobiphenyl	95%		%REC	47-120	2	396778	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: CG-53-0.5	Lab ID: 554027-047	Collected: 02/23/26
	Matrix: Soil	

554027-047 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
beta-BHC	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
gamma-BHC	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
delta-BHC	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Heptachlor	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Aldrin	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Heptachlor epoxide	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endosulfan I	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Dieldrin	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
4,4'-DDE	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endrin	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endosulfan II	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endosulfan sulfate	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
4,4'-DDD	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endrin aldehyde	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Endrin ketone	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
4,4'-DDT	ND		ug/Kg	25	5	396778	03/01/26	03/03/26	KMB
Methoxychlor	ND		ug/Kg	50	5	396778	03/01/26	03/03/26	KMB
Toxaphene	ND		ug/Kg	500	5	396778	03/01/26	03/03/26	KMB
Chlordane (Technical)	ND		ug/Kg	250	5	396778	03/01/26	03/03/26	KMB
Surrogates				**Limits**					
TCMX	99%		%REC	58-120	5	396778	03/01/26	03/03/26	KMB
Decachlorobiphenyl	81%		%REC	47-120	5	396778	03/01/26	03/03/26	KMB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: CG-53-2.5	Lab ID: 554027-048	Collected: 02/23/26
	Matrix: Soil	

554027-048 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
beta-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
gamma-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
delta-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Heptachlor	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Aldrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan I	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Dieldrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDE	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan II	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDD	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin aldehyde	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin ketone	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDT	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Methoxychlor	ND		ug/Kg	10	1	396778	03/01/26	03/02/26	XLY
Toxaphene	ND		ug/Kg	100	1	396778	03/01/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/Kg	50	1	396778	03/01/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	81%		%REC	58-120	1	396778	03/01/26	03/02/26	XLY
Decachlorobiphenyl	83%		%REC	47-120	1	396778	03/01/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: CG-55-0.5	Lab ID: 554027-049	Collected: 02/23/26
	Matrix: Soil	

554027-049 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
beta-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
gamma-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
delta-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Heptachlor	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Aldrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Heptachlor epoxide	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan I	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Dieldrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDE	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan II	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan sulfate	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDD	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin aldehyde	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin ketone	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDT	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Methoxychlor	ND		ug/Kg	20	2	396778	03/01/26	03/02/26	KMB
Toxaphene	ND		ug/Kg	200	2	396778	03/01/26	03/02/26	KMB
Chlordane (Technical)	ND		ug/Kg	99	2	396778	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
TCMX	94%		%REC	58-120	2	396778	03/01/26	03/02/26	KMB
Decachlorobiphenyl	84%		%REC	47-120	2	396778	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-55-2.5	Lab ID: 554027-050	Collected: 02/23/26
	Matrix: Soil	

554027-050 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
beta-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
gamma-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
delta-BHC	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Heptachlor	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Aldrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan I	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Dieldrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDE	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan II	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDD	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin aldehyde	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Endrin ketone	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
4,4'-DDT	ND		ug/Kg	5.1	1	396778	03/01/26	03/02/26	XLY
Methoxychlor	ND		ug/Kg	10	1	396778	03/01/26	03/02/26	XLY
Toxaphene	ND		ug/Kg	100	1	396778	03/01/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/Kg	51	1	396778	03/01/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	84%		%REC	58-120	1	396778	03/01/26	03/02/26	XLY
Decachlorobiphenyl	81%		%REC	47-120	1	396778	03/01/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-55-0.5-DUP	Lab ID: 554027-051	Collected: 02/23/26
	Matrix: Soil	

554027-051 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
beta-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
gamma-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
delta-BHC	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Heptachlor	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Aldrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Heptachlor epoxide	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan I	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Dieldrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDE	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan II	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endosulfan sulfate	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDD	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin aldehyde	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Endrin ketone	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
4,4'-DDT	ND		ug/Kg	10	2	396778	03/01/26	03/02/26	KMB
Methoxychlor	ND		ug/Kg	20	2	396778	03/01/26	03/02/26	KMB
Toxaphene	ND		ug/Kg	200	2	396778	03/01/26	03/02/26	KMB
Chlordane (Technical)	ND		ug/Kg	100	2	396778	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
TCMX	96%		%REC	58-120	2	396778	03/01/26	03/02/26	KMB
Decachlorobiphenyl	90%		%REC	47-120	2	396778	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-55-2.5-DUP	Lab ID: 554027-052	Collected: 02/23/26
	Matrix: Soil	

554027-052 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
beta-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
gamma-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
delta-BHC	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Heptachlor	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Aldrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan I	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Dieldrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDE	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan II	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDD	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin aldehyde	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Endrin ketone	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
4,4'-DDT	ND		ug/Kg	5.0	1	396778	03/01/26	03/02/26	XLY
Methoxychlor	ND		ug/Kg	10	1	396778	03/01/26	03/02/26	XLY
Toxaphene	ND		ug/Kg	100	1	396778	03/01/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/Kg	50	1	396778	03/01/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	85%		%REC	58-120	1	396778	03/01/26	03/02/26	XLY
Decachlorobiphenyl	75%		%REC	47-120	1	396778	03/01/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-52-0.5	Lab ID: 554027-053	Collected: 02/23/26
	Matrix: Soil	

554027-053 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
beta-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
gamma-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
delta-BHC	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Heptachlor	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Aldrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Heptachlor epoxide	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan I	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Dieldrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDE	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan II	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endosulfan sulfate	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDD	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin aldehyde	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Endrin ketone	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
4,4'-DDT	ND		ug/Kg	9.9	2	396778	03/01/26	03/02/26	KMB
Methoxychlor	ND		ug/Kg	20	2	396778	03/01/26	03/02/26	KMB
Toxaphene	ND		ug/Kg	200	2	396778	03/01/26	03/02/26	KMB
Chlordane (Technical)	ND		ug/Kg	99	2	396778	03/01/26	03/02/26	KMB
Surrogates				**Limits**					
TCMX	96%		%REC	58-120	2	396778	03/01/26	03/02/26	KMB
Decachlorobiphenyl	83%		%REC	47-120	2	396778	03/01/26	03/02/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554027

Sample ID: CG-52-2.5	Lab ID: 554027-054	Collected: 02/23/26
	Matrix: Soil	

554027-054 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
beta-BHC	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
gamma-BHC	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
delta-BHC	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Heptachlor	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Aldrin	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endosulfan I	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Dieldrin	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
4,4'-DDE	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endrin	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endosulfan II	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
4,4'-DDD	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endrin aldehyde	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Endrin ketone	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
4,4'-DDT	ND		ug/Kg	5.0	0.99	396778	03/01/26	03/02/26	XLY
Methoxychlor	ND		ug/Kg	9.9	0.99	396778	03/01/26	03/02/26	XLY
Toxaphene	ND		ug/Kg	99	0.99	396778	03/01/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/Kg	50	0.99	396778	03/01/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	83%		%REC	58-120	0.99	396778	03/01/26	03/02/26	XLY
Decachlorobiphenyl	79%		%REC	47-120	0.99	396778	03/01/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: EB-01-260223	Lab ID: 554027-055	Collected: 02/23/26 14:30
	Matrix: Water	

554027-055 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3015A									
Lead	ND		mg/L	0.010	1	396367	02/25/26	02/25/26	SBW
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	396341	02/25/26	02/25/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	86%		%REC	80-120	1	396341	02/25/26	02/25/26	SXR
Method: EPA 8015B Prep Method: EPA 3510C									
DRO C10-C28	ND		mg/L	0.093	0.93	396421	02/25/26	02/26/26	DIB
ORO C28-C44	ND		mg/L	0.28	0.93	396421	02/25/26	02/26/26	DIB
Surrogates				**Limits**					
n-Triacontane	91%		%REC	43-139	0.93	396421	02/25/26	02/26/26	DIB
Method: EPA 8081A Prep Method: EPA 3510C									
alpha-BHC	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
beta-BHC	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
gamma-BHC	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
delta-BHC	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
Heptachlor	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
Aldrin	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
Endosulfan I	ND		ug/L	0.05	0.96	396470	02/26/26	03/02/26	XLY
Dieldrin	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
4,4'-DDE	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Endrin	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Endosulfan II	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
4,4'-DDD	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Endrin aldehyde	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Endrin ketone	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
4,4'-DDT	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Methoxychlor	ND		ug/L	0.1	0.96	396470	02/26/26	03/02/26	XLY
Toxaphene	ND		ug/L	1.9	0.96	396470	02/26/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/L	1.0	0.96	396470	02/26/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	69%		%REC	29-120	0.96	396470	02/26/26	03/02/26	XLY
Decachlorobiphenyl	85%		%REC	33-132	0.96	396470	02/26/26	03/02/26	XLY
Method: EPA 8082 Prep Method: EPA 3510C									
Aroclor-1016	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1221	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1232	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1242	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1248	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1254	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

554027-055 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1260	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1262	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Aroclor-1268	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Total PCBs	ND		ug/L	0.48	0.96	396470	02/26/26	03/02/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	83%		%REC	28-138	0.96	396470	02/26/26	03/02/26	XLY
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Freon 12	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Vinyl Chloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromomethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Trichlorofluoromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Acetone	ND		ug/L	100	1	396329	02/25/26	02/25/26	ZST
Freon 113	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Methylene Chloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
MTBE	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2-Butanone	ND		ug/L	100	1	396329	02/25/26	02/25/26	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2,2-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloroform	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromochloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Carbon Tetrachloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Benzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Trichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromodichloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Dibromomethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Toluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Tetrachloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Dibromochloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dibromoethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Ethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
m,p-Xylenes	ND		ug/L	10	1	396329	02/25/26	02/25/26	ZST
o-Xylene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Styrene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromoform	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

554027-055 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Propylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2-Chlorotoluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
4-Chlorotoluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
tert-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
sec-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
n-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Hexachlorobutadiene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Naphthalene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Xylene (total)	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	107%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloroethane-d4	104%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
Toluene-d8	98%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
Bromofluorobenzene	100%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

Sample ID: TB-01-260223	Lab ID: 554027-056	Collected: 02/23/26 14:30
	Matrix: Water	

554027-056 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Freon 12	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Vinyl Chloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromomethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Trichlorofluoromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Acetone	ND		ug/L	100	1	396329	02/25/26	02/25/26	ZST
Freon 113	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Methylene Chloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
MTBE	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,2-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2-Butanone	ND		ug/L	100	1	396329	02/25/26	02/25/26	ZST
cis-1,2-Dichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2,2-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chloroform	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromochloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,1-Trichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Carbon Tetrachloride	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Benzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Trichloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromodichloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Dibromomethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
cis-1,3-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Toluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,3-Dichloropropene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,2-Trichloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3-Dichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Tetrachloroethene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Dibromochloromethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dibromoethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Chlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Ethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
m,p-Xylenes	ND		ug/L	10	1	396329	02/25/26	02/25/26	ZST
o-Xylene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Styrene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromoform	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Isopropylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554027

554027-056 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,3-Trichloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Propylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Bromobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3,5-Trimethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
2-Chlorotoluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
4-Chlorotoluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
tert-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,4-Trimethylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
sec-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
para-Isopropyl Toluene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,3-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,4-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
n-Butylbenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,4-Trichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Hexachlorobutadiene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Naphthalene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
1,2,3-Trichlorobenzene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Xylene (total)	ND		ug/L	5.0	1	396329	02/25/26	02/25/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	108%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
1,2-Dichloroethane-d4	105%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
Toluene-d8	98%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST
Bromofluorobenzene	97%		%REC	70-130	1	396329	02/25/26	02/25/26	ZST

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1344223	Batch: 396367
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1344223 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/L	0.010	02/25/26	02/25/26

Type: Lab Control Sample	Lab ID: QC1344224	Batch: 396367
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1344224 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	0.3709	0.4000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1344225	Batch: 396367
Matrix (Source ID): Water (554148-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1344225 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	3.488	ND	4.000	mg/L	87%		75-125	10

Type: Matrix Spike Duplicate	Lab ID: QC1344226	Batch: 396367
Matrix (Source ID): Water (554148-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1344226 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	3.591	ND	4.000	mg/L	90%		75-125	3	20	10

Type: Serial Dilution	Lab ID: QC1344372	Batch: 396367
Matrix (Source ID): Water (554148-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1344372 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	ND	ND	mg/L				50

Type: Blank	Lab ID: QC1344177	Batch: 396353
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344177 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	02/25/26	02/25/26

Type: Lab Control Sample	Lab ID: QC1344178	Batch: 396353
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344178 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	108.0	100.0	mg/Kg	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1344179	Batch:	396353
Matrix (Source ID):	Soil (554027-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1344179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	100.7	4.176	95.24	mg/Kg	101%		75-125	0.95

Type:	Matrix Spike Duplicate	Lab ID:	QC1344180	Batch:	396353
Matrix (Source ID):	Soil (554027-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1344180 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	107.2	4.176	98.04	mg/Kg	105%		75-125	3	28	0.98

Type:	Post Digest Spike	Lab ID:	QC1344181	Batch:	396353
Matrix (Source ID):	Soil (554027-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1344181 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	101.1	4.176	98.04	mg/Kg	99%		75-125	0.98

Type:	Serial Dilution	Lab ID:	QC1344330	Batch:	396353
Matrix (Source ID):	Soil (554027-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1344330 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	3.592	4.176	mg/Kg	J			4.9

Type:	Blank	Lab ID:	QC1349603	Batch:	397934
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349603 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	03/13/26	03/13/26

Type:	Lab Control Sample	Lab ID:	QC1349604	Batch:	397934
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	81.06	100.0	mg/Kg	81%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1349605	Batch:	397934
Matrix (Source ID):	Soil (555301-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	111.2	10.28	97.09	mg/Kg	104%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1349606	Batch:	397934
Matrix (Source ID):	Soil (555301-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	112.3	10.28	97.09	mg/Kg	105%		75-125	1	28	0.97

Type:	Serial Dilution	Lab ID:	QC1349607	Batch:	397934
Matrix (Source ID):	Soil (555301-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349607 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	7.739	10.28	mg/Kg				5

Type:	Post Digest Spike	Lab ID:	QC1349608	Batch:	397934
Matrix (Source ID):	Soil (555301-002)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1349608 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	108.9	10.28	99.01	mg/Kg	100%		75-125	0.99

Type:	Lab Control Sample	Lab ID:	QC1344122	Batch:	396341
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1344122 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	608.1	500.0	ug/L	122%		80-131
Surrogates						
Bromofluorobenzene (FID)	177.9	200.0	ug/L	89%		80-120

Type:	Matrix Spike	Lab ID:	QC1344123	Batch:	396341
Matrix (Source ID):	Water (554009-001)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1344123 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	611.0	ND	500.0	ug/L	122%		80-128	1
Surrogates								
Bromofluorobenzene (FID)	177.7		200.0	ug/L	89%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1344124**	**Batch:**	**396341**
Matrix (Source ID):	**Water (554009-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1344124 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	612.7	ND	500.0	ug/L	123%		80-128	0	20	1
Surrogates										
Bromofluorobenzene (FID)	180.8		200.0	ug/L	90%		80-120			1

Type:	**Blank**	**Lab ID:**	**QC1344125**	**Batch:**	**396341**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC1344125 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	02/25/26	02/25/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	86%		%REC	80-120	02/25/26	02/25/26

Type:	**Blank**	**Lab ID:**	**QC1344366**	**Batch:**	**396421**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1344366 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/L	0.10	02/25/26	02/26/26
ORO C28-C44	ND		mg/L	0.30	02/25/26	02/26/26
Surrogates				**Limits**		
n-Triacontane	87%		%REC	43-139	02/25/26	02/26/26

Type:	**Lab Control Sample**	**Lab ID:**	**QC1344367**	**Batch:**	**396421**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1344367 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.7965	1.000	mg/L	80%		51-120
Surrogates						
n-Triacontane	0.01741	0.02000	mg/L	87%		43-139

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1344368**	**Batch:**	**396421**
Matrix:	**Water**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3510C**

QC1344368 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.8267	1.000	mg/L	83%		51-120	4	37
Surrogates								
n-Triacontane	0.01863	0.02000	mg/L	93%		43-139		

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1345079	Batch:	396630
Matrix (Source ID):	Soil (553840-003)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1345079 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	5.535	ND	4.970	mg/Kg	111%		74-126	0.99
Surrogates								
Bromofluorobenzene (FID)	0.1697		0.1988	mg/Kg	85%		59-122	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1345080	Batch:	396630
Matrix (Source ID):	Soil (553840-003)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1345080 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	5.236	ND	4.941	mg/Kg	106%		74-126	5	24	0.99
Surrogates										
Bromofluorobenzene (FID)	0.1676		0.1976	mg/Kg	85%		59-122			0.99

Type:	Blank	Lab ID:	QC1345081	Batch:	396630
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1345081 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	02/27/26	02/27/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	101%		%REC	59-122	02/27/26	02/27/26

Type:	Blank	Lab ID:	QC1345082	Batch:	396630
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1345082 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	02/27/26	02/27/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	95%		%REC	59-122	02/27/26	02/27/26

Type:	Lab Control Sample	Lab ID:	QC1345088	Batch:	396630
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1345088 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.652	5.000	mg/Kg	113%		80-124
Surrogates						
Bromofluorobenzene (FID)	0.1713	0.2000	mg/Kg	86%		59-122

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1345089	Batch:	396630
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1345089 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.747	5.000	mg/Kg	115%		80-124	2	20
Surrogates								
Bromofluorobenzene (FID)	0.1707	0.2000	mg/Kg	85%		59-122		

Type:	Blank	Lab ID:	QC1344216	Batch:	396362
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1344216 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	02/25/26	02/25/26
DRO C10-C28	ND		mg/Kg	9.9	02/25/26	02/25/26
ORO C28-C44	ND		mg/Kg	20	02/25/26	02/25/26
Surrogates				**Limits**		
n-Triacontane	94%		%REC	59-136	02/25/26	02/25/26

Type:	Lab Control Sample	Lab ID:	QC1344217	Batch:	396362
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1344217 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	229.1	247.5	mg/Kg	93%		61-120
Surrogates						
n-Triacontane	8.520	9.901	mg/Kg	86%		59-136

Type:	Matrix Spike	Lab ID:	QC1344218	Batch:	396362
Matrix (Source ID):	Soil (553769-002)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1344218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	231.5	24.75	248.5	mg/Kg	83%		47-127	0.99
Surrogates								
n-Triacontane	9.085		9.940	mg/Kg	91%		59-136	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1344219	Batch:	396362
Matrix (Source ID):	Soil (553769-002)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1344219 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	259.9	24.75	249.8	mg/Kg	94%		47-127	11	48	1
Surrogates										
n-Triacontane	9.940		9.990	mg/Kg	100%		59-136			1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1345623**	**Batch:**	**396778**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345623 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	03/01/26	03/02/26
beta-BHC	ND		ug/Kg	5.0	03/01/26	03/02/26
gamma-BHC	ND		ug/Kg	5.0	03/01/26	03/02/26
delta-BHC	ND		ug/Kg	5.0	03/01/26	03/02/26
Heptachlor	ND		ug/Kg	5.0	03/01/26	03/02/26
Aldrin	ND		ug/Kg	5.0	03/01/26	03/02/26
Heptachlor epoxide	ND		ug/Kg	5.0	03/01/26	03/02/26
Endosulfan I	ND		ug/Kg	5.0	03/01/26	03/02/26
Dieldrin	ND		ug/Kg	5.0	03/01/26	03/02/26
4,4'-DDE	ND		ug/Kg	5.0	03/01/26	03/02/26
Endrin	ND		ug/Kg	5.0	03/01/26	03/02/26
Endosulfan II	ND		ug/Kg	5.0	03/01/26	03/02/26
Endosulfan sulfate	ND		ug/Kg	5.0	03/01/26	03/02/26
4,4'-DDD	ND		ug/Kg	5.0	03/01/26	03/02/26
Endrin aldehyde	ND		ug/Kg	5.0	03/01/26	03/02/26
Endrin ketone	ND		ug/Kg	5.0	03/01/26	03/02/26
4,4'-DDT	ND		ug/Kg	5.0	03/01/26	03/02/26
Methoxychlor	ND		ug/Kg	10	03/01/26	03/02/26
Toxaphene	ND		ug/Kg	100	03/01/26	03/02/26
Chlordane (Technical)	ND		ug/Kg	50	03/01/26	03/02/26
Surrogates				**Limits**		
TCMX	85%		%REC	58-120	03/01/26	03/02/26
Decachlorobiphenyl	86%		%REC	47-120	03/01/26	03/02/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1345624**	**Batch: 396778**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1345624 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	43.47	50.00	ug/Kg	87%		53-132
beta-BHC	46.12	50.00	ug/Kg	92%		59-131
gamma-BHC	44.76	50.00	ug/Kg	90%		54-132
delta-BHC	44.26	50.00	ug/Kg	89%		54-134
Heptachlor	45.81	50.00	ug/Kg	92%		50-130
Aldrin	38.45	50.00	ug/Kg	77%		46-120
Heptachlor epoxide	41.99	50.00	ug/Kg	84%		52-127
Endosulfan I	47.54	50.00	ug/Kg	95%		53-132
Dieldrin	46.24	50.00	ug/Kg	92%		53-134
4,4'-DDE	48.94	50.00	ug/Kg	98%		53-140
Endrin	54.28	50.00	ug/Kg	109%		53-142
Endosulfan II	44.89	50.00	ug/Kg	90%		53-138
Endosulfan sulfate	45.52	50.00	ug/Kg	91%		50-134
4,4'-DDD	43.89	50.00	ug/Kg	88%		50-136
Endrin aldehyde	37.40	50.00	ug/Kg	75%		15-120
Endrin ketone	48.57	50.00	ug/Kg	97%		50-146
4,4'-DDT	51.00	50.00	ug/Kg	102%		46-142
Methoxychlor	60.93	50.00	ug/Kg	122%		48-156
Surrogates						
TCMX	42.31	50.00	ug/Kg	85%		58-120
Decachlorobiphenyl	42.35	50.00	ug/Kg	85%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1345629**	**Batch:**	**396778**
Matrix (Source ID):	**Soil (554281-021)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345629 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	40.22	ND	49.02	ug/Kg	82%		52-120	0.98
beta-BHC	48.71	ND	49.02	ug/Kg	99%		57-126	0.98
gamma-BHC	41.68	ND	49.02	ug/Kg	85%		54-122	0.98
delta-BHC	43.09	ND	49.02	ug/Kg	88%		44-127	0.98
Heptachlor	42.96	ND	49.02	ug/Kg	88%		51-122	0.98
Aldrin	37.94	ND	49.02	ug/Kg	77%		51-120	0.98
Heptachlor epoxide	40.16	ND	49.02	ug/Kg	82%		50-122	0.98
Endosulfan I	49.62	ND	49.02	ug/Kg	101%		48-123	0.98
Dieldrin	47.99	ND	49.02	ug/Kg	98%		48-128	0.98
4,4'-DDE	52.63	4.360	49.02	ug/Kg	98%		50-139	0.98
Endrin	52.75	ND	49.02	ug/Kg	108%		53-132	0.98
Endosulfan II	42.98	ND	49.02	ug/Kg	88%		47-131	0.98
Endosulfan sulfate	44.60	ND	49.02	ug/Kg	91%		40-126	0.98
4,4'-DDD	44.37	ND	49.02	ug/Kg	91%		48-130	0.98
Endrin aldehyde	34.64	ND	49.02	ug/Kg	71%		26-120	0.98
Endrin ketone	45.02	ND	49.02	ug/Kg	92%		51-133	0.98
4,4'-DDT	49.24	ND	49.02	ug/Kg	100%		40-144	0.98
Methoxychlor	59.22	ND	49.02	ug/Kg	121%		49-148	0.98
Surrogates								
TCMX	39.21		49.02	ug/Kg	80%		58-120	0.98
Decachlorobiphenyl	39.39		49.02	ug/Kg	80%		47-120	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1345630**	**Batch:**	**396778**
Matrix (Source ID):	**Soil (554281-021)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345630 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	44.01	ND	51.02	ug/Kg	86%		52-120	5	37	1
beta-BHC	48.50	ND	51.02	ug/Kg	95%		57-126	4	38	1
gamma-BHC	45.37	ND	51.02	ug/Kg	89%		54-122	4	39	1
delta-BHC	45.50	ND	51.02	ug/Kg	89%		44-127	1	54	1
Heptachlor	46.77	ND	51.02	ug/Kg	92%		51-122	4	44	1
Aldrin	40.89	ND	51.02	ug/Kg	80%		51-120	3	39	1
Heptachlor epoxide	42.63	ND	51.02	ug/Kg	84%		50-122	2	39	1
Endosulfan I	50.07	ND	51.02	ug/Kg	98%		48-123	3	47	1
Dieldrin	48.65	ND	51.02	ug/Kg	95%		48-128	3	43	1
4,4'-DDE	52.93	4.360	51.02	ug/Kg	95%		50-139	3	42	1
Endrin	55.35	ND	51.02	ug/Kg	108%		53-132	1	45	1
Endosulfan II	45.79	ND	51.02	ug/Kg	90%		47-131	2	46	1
Endosulfan sulfate	46.20	ND	51.02	ug/Kg	91%		40-126	0	52	1
4,4'-DDD	45.73	ND	51.02	ug/Kg	90%		48-130	1	46	1
Endrin aldehyde	35.63	ND	51.02	ug/Kg	70%		26-120	1	57	1
Endrin ketone	47.47	ND	51.02	ug/Kg	93%		51-133	1	43	1
4,4'-DDT	51.51	ND	51.02	ug/Kg	101%		40-144	1	56	1
Methoxychlor	62.12	ND	51.02	ug/Kg	122%		49-148	1	53	1
Surrogates										
TCMX	43.18		51.02	ug/Kg	85%		58-120			1
Decachlorobiphenyl	41.54		51.02	ug/Kg	81%		47-120			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1344563	Batch: 396470
Matrix: Water		

QC1344563 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C						
alpha-BHC	ND		ug/L	0.05	02/26/26	02/27/26
beta-BHC	ND		ug/L	0.05	02/26/26	02/27/26
gamma-BHC	ND		ug/L	0.05	02/26/26	02/27/26
delta-BHC	ND		ug/L	0.05	02/26/26	02/27/26
Heptachlor	ND		ug/L	0.05	02/26/26	02/27/26
Aldrin	ND		ug/L	0.05	02/26/26	02/27/26
Heptachlor epoxide	ND		ug/L	0.05	02/26/26	02/27/26
Endosulfan I	ND		ug/L	0.05	02/26/26	02/27/26
Dieldrin	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDE	ND		ug/L	0.1	02/26/26	02/27/26
Endrin	ND		ug/L	0.1	02/26/26	02/27/26
Endosulfan II	ND		ug/L	0.1	02/26/26	02/27/26
Endosulfan sulfate	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDD	ND		ug/L	0.1	02/26/26	02/27/26
Endrin aldehyde	ND		ug/L	0.1	02/26/26	02/27/26
Endrin ketone	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDT	ND		ug/L	0.1	02/26/26	02/27/26
Methoxychlor	ND		ug/L	0.1	02/26/26	02/27/26
Toxaphene	ND		ug/L	2.0	02/26/26	02/27/26
Chlordane (Technical)	ND		ug/L	1.0	02/26/26	02/27/26
Surrogates				**Limits**		
TCMX	67%		%REC	29-120	02/26/26	02/27/26
Decachlorobiphenyl	75%		%REC	33-132	02/26/26	02/27/26
Method: EPA 8082 Prep Method: EPA 3510C						
Aroclor-1016	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1221	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1232	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1242	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1248	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1254	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1260	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1262	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1268	ND		ug/L	0.50	02/26/26	02/27/26
Total PCBs	ND		ug/L	0.50	02/26/26	02/27/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	73%		%REC	28-138	02/26/26	02/27/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1344564**	**Batch:**	**396470**
Matrix:	**Water**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3510C**

QC1344564 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5436	0.5000	ug/L	109%		66-121
beta-BHC	0.5432	0.5000	ug/L	109%		73-120
gamma-BHC	0.5631	0.5000	ug/L	113%		68-125
delta-BHC	0.5879	0.5000	ug/L	118%		68-131
Heptachlor	0.5154	0.5000	ug/L	103%		63-120
Aldrin	0.4747	0.5000	ug/L	95%		56-120
Heptachlor epoxide	0.4986	0.5000	ug/L	100%		65-120
Endosulfan I	0.6161	0.5000	ug/L	123%		68-124
Dieldrin	0.5104	0.5000	ug/L	102%		66-124
4,4'-DDE	0.5421	0.5000	ug/L	108%		67-131
Endrin	0.5661	0.5000	ug/L	113%		68-135
Endosulfan II	0.5324	0.5000	ug/L	106%		71-130
Endosulfan sulfate	0.5835	0.5000	ug/L	117%		68-128
4,4'-DDD	0.5131	0.5000	ug/L	103%		65-130
Endrin aldehyde	0.5292	0.5000	ug/L	106%		67-124
Endrin ketone	0.6862	0.5000	ug/L	137%		69-137
4,4'-DDT	0.5537	0.5000	ug/L	111%		65-136
Methoxychlor	0.6060	0.5000	ug/L	121%		69-150
Surrogates						
TCMX	0.4381	0.5000	ug/L	88%		29-120
Decachlorobiphenyl	0.4441	0.5000	ug/L	89%		33-132

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1344565	Batch:	396470
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1344565 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4928	0.5000	ug/L	99%		66-121	10	20
beta-BHC	0.4780	0.5000	ug/L	96%		73-120	13	20
gamma-BHC	0.5052	0.5000	ug/L	101%		68-125	11	20
delta-BHC	0.5157	0.5000	ug/L	103%		68-131	13	20
Heptachlor	0.4629	0.5000	ug/L	93%		63-120	11	24
Aldrin	0.4272	0.5000	ug/L	85%		56-120	11	30
Heptachlor epoxide	0.4382	0.5000	ug/L	88%		65-120	13	20
Endosulfan I	0.5440	0.5000	ug/L	109%		68-124	12	20
Dieldrin	0.4408	0.5000	ug/L	88%		66-124	15	22
4,4'-DDE	0.4662	0.5000	ug/L	93%		67-131	15	21
Endrin	0.4814	0.5000	ug/L	96%		68-135	16	20
Endosulfan II	0.4466	0.5000	ug/L	89%		71-130	18	21
Endosulfan sulfate	0.4982	0.5000	ug/L	100%		68-128	16	21
4,4'-DDD	0.4417	0.5000	ug/L	88%		65-130	15	22
Endrin aldehyde	0.4476	0.5000	ug/L	90%		67-124	17	20
Endrin ketone	0.5804	0.5000	ug/L	116%		69-137	17	21
4,4'-DDT	0.4719	0.5000	ug/L	94%		65-136	16	23
Methoxychlor	0.5065	0.5000	ug/L	101%		69-150	18	23
Surrogates								
TCMX	0.3935	0.5000	ug/L	79%		29-120		
Decachlorobiphenyl	0.3745	0.5000	ug/L	75%		33-132		

Type:	Lab Control Sample	Lab ID:	QC1344566	Batch:	396470
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1344566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.688	5.000	ug/L	94%		69-120
Aroclor-1260	4.105	5.000	ug/L	82%		72-124
Surrogates						
Decachlorobiphenyl (PCB)	0.3570	0.5000	ug/L	71%		28-138

Type:	Lab Control Sample Duplicate	Lab ID:	QC1344567	Batch:	396470
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1344567 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.710	5.000	ug/L	94%		69-120	0	22
Aroclor-1260	4.091	5.000	ug/L	82%		72-124	0	25
Surrogates								
Decachlorobiphenyl (PCB)	0.3588	0.5000	ug/L	72%		28-138		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1345588	Batch: 396769
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1345588 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1221	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1232	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1242	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1248	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1254	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1260	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1262	ND		ug/Kg	51	03/01/26	03/02/26
Aroclor-1268	ND		ug/Kg	51	03/01/26	03/02/26
Total PCBs	ND		ug/Kg	51	03/01/26	03/02/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	76%		%REC	50-127	03/01/26	03/02/26

Type: Lab Control Sample	Lab ID: QC1345589	Batch: 396769
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1345589 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	376.4	495.0	ug/Kg	76%		66-120
Aroclor-1260	392.7	495.0	ug/Kg	79%		63-126
Surrogates						
Decachlorobiphenyl (PCB)	38.99	49.50	ug/Kg	79%		50-127

Type: Matrix Spike	Lab ID: QC1345590	Batch: 396769
Matrix (Source ID): Soil (554027-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1345590 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	361.6	ND	505.1	ug/Kg	72%		60-123	1
Aroclor-1260	385.2	ND	505.1	ug/Kg	76%		55-136	1
Surrogates								
Decachlorobiphenyl (PCB)	38.43		50.51	ug/Kg	76%		50-127	1

Type: Matrix Spike Duplicate	Lab ID: QC1345591	Batch: 396769
Matrix (Source ID): Soil (554027-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1345591 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	347.2	ND	510.2	ug/Kg	68%		60-123	5	37	1
Aroclor-1260	346.6	ND	510.2	ug/Kg	68%		55-136	12	41	1
Surrogates										
Decachlorobiphenyl (PCB)	33.93		51.02	ug/Kg	66%		50-127			1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1344077**	**Batch:**	**396329**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344077 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.97	50.00	ug/L	94%		69-128
MTBE	49.42	50.00	ug/L	99%		66-125
Benzene	48.44	50.00	ug/L	97%		76-121
Trichloroethene	46.46	50.00	ug/L	93%		76-124
Toluene	46.93	50.00	ug/L	94%		76-120
Chlorobenzene	47.11	50.00	ug/L	94%		78-120
Surrogates						
Dibromofluoromethane	53.28	50.00	ug/L	107%		70-130
1,2-Dichloroethane-d4	52.40	50.00	ug/L	105%		70-130
Toluene-d8	49.39	50.00	ug/L	99%		70-130
Bromofluorobenzene	48.39	50.00	ug/L	97%		70-130

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1344078**	**Batch:**	**396329**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344078 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.08	50.00	ug/L	96%		69-128	2	23
MTBE	52.38	50.00	ug/L	105%		66-125	6	22
Benzene	50.69	50.00	ug/L	101%		76-121	5	21
Trichloroethene	50.11	50.00	ug/L	100%		76-124	8	22
Toluene	50.64	50.00	ug/L	101%		76-120	8	21
Chlorobenzene	51.88	50.00	ug/L	104%		78-120	10	20
Surrogates								
Dibromofluoromethane	51.80	50.00	ug/L	104%		70-130		
1,2-Dichloroethane-d4	47.22	50.00	ug/L	94%		70-130		
Toluene-d8	50.05	50.00	ug/L	100%		70-130		
Bromofluorobenzene	47.45	50.00	ug/L	95%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1344080**	**Batch:**	**396329**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344080 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	02/25/26	02/25/26
Freon 12	ND		ug/L	5.0	02/25/26	02/25/26
Chloromethane	ND		ug/L	5.0	02/25/26	02/25/26
Vinyl Chloride	ND		ug/L	5.0	02/25/26	02/25/26
Bromomethane	ND		ug/L	5.0	02/25/26	02/25/26
Chloroethane	ND		ug/L	5.0	02/25/26	02/25/26
Trichlorofluoromethane	ND		ug/L	5.0	02/25/26	02/25/26
Acetone	ND		ug/L	100	02/25/26	02/25/26
Freon 113	ND		ug/L	5.0	02/25/26	02/25/26
1,1-Dichloroethene	ND		ug/L	5.0	02/25/26	02/25/26
Methylene Chloride	ND		ug/L	5.0	02/25/26	02/25/26
MTBE	ND		ug/L	5.0	02/25/26	02/25/26
trans-1,2-Dichloroethene	ND		ug/L	5.0	02/25/26	02/25/26
1,1-Dichloroethane	ND		ug/L	5.0	02/25/26	02/25/26
2-Butanone	ND		ug/L	100	02/25/26	02/25/26
cis-1,2-Dichloroethene	ND		ug/L	5.0	02/25/26	02/25/26
2,2-Dichloropropane	ND		ug/L	5.0	02/25/26	02/25/26
Chloroform	ND		ug/L	5.0	02/25/26	02/25/26
Bromochloromethane	ND		ug/L	5.0	02/25/26	02/25/26
1,1,1-Trichloroethane	ND		ug/L	5.0	02/25/26	02/25/26
1,1-Dichloropropene	ND		ug/L	5.0	02/25/26	02/25/26
Carbon Tetrachloride	ND		ug/L	5.0	02/25/26	02/25/26
1,2-Dichloroethane	ND		ug/L	5.0	02/25/26	02/25/26
Benzene	ND		ug/L	5.0	02/25/26	02/25/26
Trichloroethene	ND		ug/L	5.0	02/25/26	02/25/26
1,2-Dichloropropane	ND		ug/L	5.0	02/25/26	02/25/26
Bromodichloromethane	ND		ug/L	5.0	02/25/26	02/25/26
Dibromomethane	ND		ug/L	5.0	02/25/26	02/25/26
4-Methyl-2-Pentanone	ND		ug/L	5.0	02/25/26	02/25/26
cis-1,3-Dichloropropene	ND		ug/L	5.0	02/25/26	02/25/26
Toluene	ND		ug/L	5.0	02/25/26	02/25/26
trans-1,3-Dichloropropene	ND		ug/L	5.0	02/25/26	02/25/26
1,1,2-Trichloroethane	ND		ug/L	5.0	02/25/26	02/25/26
1,3-Dichloropropane	ND		ug/L	5.0	02/25/26	02/25/26
Tetrachloroethene	ND		ug/L	5.0	02/25/26	02/25/26
Dibromochloromethane	ND		ug/L	5.0	02/25/26	02/25/26
1,2-Dibromoethane	ND		ug/L	5.0	02/25/26	02/25/26
Chlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	02/25/26	02/25/26
Ethylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
m,p-Xylenes	ND		ug/L	10	02/25/26	02/25/26
o-Xylene	ND		ug/L	5.0	02/25/26	02/25/26
Styrene	ND		ug/L	5.0	02/25/26	02/25/26
Bromoform	ND		ug/L	5.0	02/25/26	02/25/26
Isopropylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	02/25/26	02/25/26
1,2,3-Trichloropropane	ND		ug/L	5.0	02/25/26	02/25/26

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Batch QC

QC1344080 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Propylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
Bromobenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,3,5-Trimethylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
2-Chlorotoluene	ND		ug/L	5.0	02/25/26	02/25/26
4-Chlorotoluene	ND		ug/L	5.0	02/25/26	02/25/26
tert-Butylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,2,4-Trimethylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
sec-Butylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
para-Isopropyl Toluene	ND		ug/L	5.0	02/25/26	02/25/26
1,3-Dichlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,4-Dichlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
n-Butylbenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,2-Dichlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	02/25/26	02/25/26
1,2,4-Trichlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
Hexachlorobutadiene	ND		ug/L	5.0	02/25/26	02/25/26
Naphthalene	ND		ug/L	5.0	02/25/26	02/25/26
1,2,3-Trichlorobenzene	ND		ug/L	5.0	02/25/26	02/25/26
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	02/25/26	02/25/26
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	02/25/26	02/25/26
Xylene (total)	ND		ug/L	5.0	02/25/26	02/25/26
Surrogates				**Limits**		
Dibromofluoromethane	104%		%REC	70-130	02/25/26	02/25/26
1,2-Dichloroethane-d4	96%		%REC	70-130	02/25/26	02/25/26
Toluene-d8	100%		%REC	70-130	02/25/26	02/25/26
Bromofluorobenzene	100%		%REC	70-130	02/25/26	02/25/26

Type:	**Matrix Spike**	**Lab ID:**	**QC1344089**	**Batch:**	**396329**
Matrix (Source ID):	**Water (553849-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344089 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	19.68	ND	20.00	ug/L	98%		62-131	1
MTBE	23.25	ND	20.00	ug/L	116%		61-124	1
Benzene	20.36	ND	20.00	ug/L	102%		70-123	1
Trichloroethene	19.76	ND	20.00	ug/L	99%		65-131	1
Toluene	19.77	ND	20.00	ug/L	99%		69-120	1
Chlorobenzene	21.13	ND	20.00	ug/L	106%		72-121	1
Surrogates								
Dibromofluoromethane	53.99		50.00	ug/L	108%		70-130	1
1,2-Dichloroethane-d4	52.10		50.00	ug/L	104%		70-130	1
Toluene-d8	48.43		50.00	ug/L	97%		70-130	1
Bromofluorobenzene	49.59		50.00	ug/L	99%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1344090	Batch:	396329
Matrix (Source ID):	Water (553849-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1344090 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	20.87	ND	20.00	ug/L	104%		62-131	6	31	1
MTBE	24.94	ND	20.00	ug/L	125%	*	61-124	7	30	1
Benzene	21.75	ND	20.00	ug/L	109%		70-123	7	31	1
Trichloroethene	21.32	ND	20.00	ug/L	107%		65-131	8	31	1
Toluene	21.17	ND	20.00	ug/L	106%		69-120	7	29	1
Chlorobenzene	22.45	ND	20.00	ug/L	112%		72-121	6	29	1
Surrogates										
Dibromofluoromethane	54.30		50.00	ug/L	109%		70-130			1
1,2-Dichloroethane-d4	53.44		50.00	ug/L	107%		70-130			1
Toluene-d8	48.77		50.00	ug/L	98%		70-130			1
Bromofluorobenzene	48.12		50.00	ug/L	96%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1344682	Batch:	396501
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1344682 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.59	50.00	ug/Kg	99%		72-130
MTBE	48.16	50.00	ug/Kg	96%		69-127
Benzene	49.89	50.00	ug/Kg	100%		76-126
Trichloroethene	51.57	50.00	ug/Kg	103%		74-121
Toluene	50.78	50.00	ug/Kg	102%		78-121
Chlorobenzene	51.82	50.00	ug/Kg	104%		80-121
Surrogates						
Dibromofluoromethane	51.06	50.00	ug/Kg	102%		70-130
1,2-Dichloroethane-d4	49.97	50.00	ug/Kg	100%		70-130
Toluene-d8	50.56	50.00	ug/Kg	101%		70-130
Bromofluorobenzene	50.59	50.00	ug/Kg	101%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1344683	Batch:	396501
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1344683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.63	50.00	ug/Kg	103%		72-130	4	26
MTBE	49.87	50.00	ug/Kg	100%		69-127	3	25
Benzene	51.34	50.00	ug/Kg	103%		76-126	3	24
Trichloroethene	52.02	50.00	ug/Kg	104%		74-121	1	26
Toluene	51.18	50.00	ug/Kg	102%		78-121	1	24
Chlorobenzene	51.99	50.00	ug/Kg	104%		80-121	0	23
Surrogates								
Dibromofluoromethane	51.73	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	50.20	50.00	ug/Kg	100%		70-130		
Toluene-d8	49.44	50.00	ug/Kg	99%		70-130		
Bromofluorobenzene	49.00	50.00	ug/Kg	98%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1344686**	**Batch:**	**396501**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1344686 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	02/26/26	02/26/26
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	02/26/26	02/26/26
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	02/26/26	02/26/26
Freon 12	ND		ug/Kg	250	02/26/26	02/26/26
Chloromethane	ND		ug/Kg	250	02/26/26	02/26/26
Vinyl Chloride	ND		ug/Kg	250	02/26/26	02/26/26
Bromomethane	ND		ug/Kg	250	02/26/26	02/26/26
Chloroethane	ND		ug/Kg	250	02/26/26	02/26/26
Trichlorofluoromethane	ND		ug/Kg	250	02/26/26	02/26/26
Acetone	ND		ug/Kg	5,000	02/26/26	02/26/26
Freon 113	ND		ug/Kg	250	02/26/26	02/26/26
1,1-Dichloroethene	ND		ug/Kg	250	02/26/26	02/26/26
Methylene Chloride	ND		ug/Kg	250	02/26/26	02/26/26
MTBE	ND		ug/Kg	250	02/26/26	02/26/26
trans-1,2-Dichloroethene	ND		ug/Kg	250	02/26/26	02/26/26
1,1-Dichloroethane	ND		ug/Kg	250	02/26/26	02/26/26
2-Butanone	ND		ug/Kg	5,000	02/26/26	02/26/26
cis-1,2-Dichloroethene	ND		ug/Kg	250	02/26/26	02/26/26
2,2-Dichloropropane	ND		ug/Kg	250	02/26/26	02/26/26
Chloroform	ND		ug/Kg	250	02/26/26	02/26/26
Bromochloromethane	ND		ug/Kg	250	02/26/26	02/26/26
1,1,1-Trichloroethane	ND		ug/Kg	250	02/26/26	02/26/26
1,1-Dichloropropene	ND		ug/Kg	250	02/26/26	02/26/26
Carbon Tetrachloride	ND		ug/Kg	250	02/26/26	02/26/26
1,2-Dichloroethane	ND		ug/Kg	250	02/26/26	02/26/26
Benzene	ND		ug/Kg	250	02/26/26	02/26/26
Trichloroethene	ND		ug/Kg	250	02/26/26	02/26/26
1,2-Dichloropropane	ND		ug/Kg	250	02/26/26	02/26/26
Bromodichloromethane	ND		ug/Kg	250	02/26/26	02/26/26
Dibromomethane	ND		ug/Kg	250	02/26/26	02/26/26
4-Methyl-2-Pentanone	ND		ug/Kg	250	02/26/26	02/26/26
cis-1,3-Dichloropropene	ND		ug/Kg	250	02/26/26	02/26/26
Toluene	ND		ug/Kg	250	02/26/26	02/26/26
trans-1,3-Dichloropropene	ND		ug/Kg	250	02/26/26	02/26/26
1,1,2-Trichloroethane	ND		ug/Kg	250	02/26/26	02/26/26
1,3-Dichloropropane	ND		ug/Kg	250	02/26/26	02/26/26
Tetrachloroethene	ND		ug/Kg	250	02/26/26	02/26/26
Dibromochloromethane	ND		ug/Kg	250	02/26/26	02/26/26
1,2-Dibromoethane	ND		ug/Kg	250	02/26/26	02/26/26
Chlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	02/26/26	02/26/26
Ethylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
m,p-Xylenes	ND		ug/Kg	500	02/26/26	02/26/26
o-Xylene	ND		ug/Kg	250	02/26/26	02/26/26
Styrene	ND		ug/Kg	250	02/26/26	02/26/26
Bromoform	ND		ug/Kg	250	02/26/26	02/26/26
Isopropylbenzene	ND		ug/Kg	250	02/26/26	02/26/26

ENTHALPY ANALYTICAL

Batch QC

QC1344686 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	02/26/26	02/26/26
1,2,3-Trichloropropane	ND		ug/Kg	250	02/26/26	02/26/26
Propylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
Bromobenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,3,5-Trimethylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
2-Chlorotoluene	ND		ug/Kg	250	02/26/26	02/26/26
4-Chlorotoluene	ND		ug/Kg	250	02/26/26	02/26/26
tert-Butylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,2,4-Trimethylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
sec-Butylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
para-Isopropyl Toluene	ND		ug/Kg	250	02/26/26	02/26/26
1,3-Dichlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,4-Dichlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
n-Butylbenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,2-Dichlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	02/26/26	02/26/26
1,2,4-Trichlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
Hexachlorobutadiene	ND		ug/Kg	250	02/26/26	02/26/26
Naphthalene	ND		ug/Kg	250	02/26/26	02/26/26
1,2,3-Trichlorobenzene	ND		ug/Kg	250	02/26/26	02/26/26
Xylene (total)	ND		ug/Kg	250	02/26/26	02/26/26
Surrogates				**Limits**		
Dibromofluoromethane	101%		%REC	70-130	02/26/26	02/26/26
1,2-Dichloroethane-d4	104%		%REC	70-130	02/26/26	02/26/26
Toluene-d8	98%		%REC	70-130	02/26/26	02/26/26
Bromofluorobenzene	99%		%REC	70-130	02/26/26	02/26/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1344687**	**Batch:**	**396501**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1344687 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	02/26/26	02/26/26
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	02/26/26	02/26/26
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	02/26/26	02/26/26
Freon 12	ND		ug/Kg	5.0	02/26/26	02/26/26
Chloromethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Vinyl Chloride	ND		ug/Kg	5.0	02/26/26	02/26/26
Bromomethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Chloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Trichlorofluoromethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Acetone	ND		ug/Kg	100	02/26/26	02/26/26
Freon 113	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1-Dichloroethene	ND		ug/Kg	5.0	02/26/26	02/26/26
Methylene Chloride	ND		ug/Kg	5.0	02/26/26	02/26/26
MTBE	ND		ug/Kg	5.0	02/26/26	02/26/26
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1-Dichloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
2-Butanone	ND		ug/Kg	100	02/26/26	02/26/26
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	02/26/26	02/26/26
2,2-Dichloropropane	ND		ug/Kg	5.0	02/26/26	02/26/26
Chloroform	ND		ug/Kg	5.0	02/26/26	02/26/26
Bromochloromethane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1,1-Trichloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1-Dichloropropene	ND		ug/Kg	5.0	02/26/26	02/26/26
Carbon Tetrachloride	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2-Dichloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Benzene	ND		ug/Kg	5.0	02/26/26	02/26/26
Trichloroethene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2-Dichloropropane	ND		ug/Kg	5.0	02/26/26	02/26/26
Bromodichloromethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Dibromomethane	ND		ug/Kg	5.0	02/26/26	02/26/26
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	02/26/26	02/26/26
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	02/26/26	02/26/26
Toluene	ND		ug/Kg	5.0	02/26/26	02/26/26
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1,2-Trichloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,3-Dichloropropane	ND		ug/Kg	5.0	02/26/26	02/26/26
Tetrachloroethene	ND		ug/Kg	5.0	02/26/26	02/26/26
Dibromochloromethane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2-Dibromoethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Chlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
Ethylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
m,p-Xylenes	ND		ug/Kg	10	02/26/26	02/26/26
o-Xylene	ND		ug/Kg	5.0	02/26/26	02/26/26
Styrene	ND		ug/Kg	5.0	02/26/26	02/26/26
Bromoform	ND		ug/Kg	5.0	02/26/26	02/26/26
Isopropylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26

ENTHALPY ANALYTICAL

Batch QC

QC1344687 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2,3-Trichloropropane	ND		ug/Kg	5.0	02/26/26	02/26/26
Propylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
Bromobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
2-Chlorotoluene	ND		ug/Kg	5.0	02/26/26	02/26/26
4-Chlorotoluene	ND		ug/Kg	5.0	02/26/26	02/26/26
tert-Butylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
sec-Butylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
para-Isopropyl Toluene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,3-Dichlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,4-Dichlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
n-Butylbenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2-Dichlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
Hexachlorobutadiene	ND		ug/Kg	5.0	02/26/26	02/26/26
Naphthalene	ND		ug/Kg	5.0	02/26/26	02/26/26
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	02/26/26	02/26/26
Xylene (total)	ND		ug/Kg	5.0	02/26/26	02/26/26
Surrogates				**Limits**		
Dibromofluoromethane	100%		%REC	70-130	02/26/26	02/26/26
1,2-Dichloroethane-d4	99%		%REC	70-130	02/26/26	02/26/26
Toluene-d8	100%		%REC	70-130	02/26/26	02/26/26
Bromofluorobenzene	98%		%REC	70-130	02/26/26	02/26/26

Type:	**Matrix Spike**	**Lab ID:**	**QC1344813**	**Batch:**	**396501**
Matrix (Source ID):	**Soil (553834-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	23.43	ND	20.62	ug/Kg	114%		56-129	1
MTBE	24.16	ND	20.62	ug/Kg	117%		47-130	1
Benzene	23.25	ND	20.62	ug/Kg	113%		54-128	1
Trichloroethene	24.28	ND	20.62	ug/Kg	118%		48-128	1
Toluene	22.80	ND	20.62	ug/Kg	111%		53-123	1
Chlorobenzene	23.52	ND	20.62	ug/Kg	114%		50-125	1
Surrogates								
Dibromofluoromethane	53.94		51.55	ug/Kg	105%		70-130	1
1,2-Dichloroethane-d4	53.27		51.55	ug/Kg	103%		70-130	1
Toluene-d8	51.66		51.55	ug/Kg	100%		70-130	1
Bromofluorobenzene	51.78		51.55	ug/Kg	100%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1344814**	**Batch:**	**396501**
Matrix (Source ID):	**Soil (553834-002)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1344814 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	22.23	ND	20.62	ug/Kg	108%		56-129	5	41	1
MTBE	23.73	ND	20.62	ug/Kg	115%		47-130	2	44	1
Benzene	22.22	ND	20.62	ug/Kg	108%		54-128	5	45	1
Trichloroethene	22.51	ND	20.62	ug/Kg	109%		48-128	8	47	1
Toluene	21.71	ND	20.62	ug/Kg	105%		53-123	5	43	1
Chlorobenzene	21.47	ND	20.62	ug/Kg	104%		50-125	9	44	1
Surrogates										
Dibromofluoromethane	53.64		51.55	ug/Kg	104%		70-130			1
1,2-Dichloroethane-d4	56.03		51.55	ug/Kg	109%		70-130			1
Toluene-d8	51.45		51.55	ug/Kg	100%		70-130			1
Bromofluorobenzene	52.60		51.55	ug/Kg	102%		70-130			1

* Value is outside QC limits
J Estimated value
ND Not Detected

Laboratory Job Number 554027

Subcontracted Products

AmeriSci Los Angeles

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 9, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126031040
P.O. #099262
EO-554027

Dear Patty Mata:

Enclosed are the results of Asbestos Analysis - Bulk Qualitative Protocol of the following Enthalpy Analytical samples, received at AmeriSci on Monday, March 2, 2026, for a 5 day turnaround:

CG-48-0.5, CG-48-2.5, CG-53-0.5, CG-53-2.5, CG-55-0.5, CG-55-2.5, CG-55-0.5-DUP, CG-55-2.5-DUP, CG-52-0.5, CG-52-2.5

The 10 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 717839739852. Enthalpy Analytical requested Bulk-Qualitative analysis of these samples.

The samples were prepared and analyzed by using a Standard Operating Procedure developed by AmeriSci, Inc.. After preparation, using non-quantitative matrix reduction if necessary, the presence or absence of asbestos is determined by PLM and/or TEM as indicated on the attached summary table. Quantification after the fact is not possible without a new preparation. This report relates ONLY to the analysis expressed as "asbestos present" or "no asbestos visible". This report must not be used to claim product endorsement or approval by AmeriSci, NVLAP, ELAP or any other associated AmeriSci certifying agency. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave

Orange, CA 92868

Date Received 3/2/2026
Date Examined 03/09/26

RE: EO-554027

AmeriSci Job # 126031040
P.O. # 099262

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-48-0.5	126031040-01	***No***	NVA by C. David Mintz on 03/09/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present
Comment: All Soil samples placed in Drying Oven 4 hours.

CG-48-2.5	126031040-02	***No***	NVA by C. David Mintz on 03/09/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-53-0.5	126031040-03	***No***	NVA by C. David Mintz on 03/09/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-53-2.5	126031040-04	***No***	NVA by C. David Mintz on 03/09/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-55-0.5	126031040-05	***No***	NVA by C. David Mintz on 03/09/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

See Reporting notes on last page

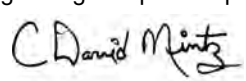
PLM Bulk Asbestos Report

EO-554027

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-55-2.5	126031040-06		NA	*1*
Location:				
Analyst Description: Soil				
Asbestos Types:				
Other Material:				
CG-55-0.5-DUP	126031040-07	***No***	NVA by C. David Mintz on 03/09/26	*1*
Location:				
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil				
Asbestos Types:				
Other Material: Non-fibrous Present				
CG-55-2.5-DUP	126031040-08	***No***	NVA by C. David Mintz on 03/09/26	*1*
Location:				
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil				
Asbestos Types:				
Other Material: Non-fibrous Present				
CG-52-0.5	126031040-09	***No***	NVA by C. David Mintz on 03/09/26	*1*
Location:				
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil				
Asbestos Types:				
Other Material: Cellulose Present, Non-fibrous Present				
CG-52-2.5	126031040-10	***No***	NVA by C. David Mintz on 03/09/26	*1*
Location:				
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil				
Asbestos Types:				
Other Material: Cellulose Present, Non-fibrous Present				

Reporting Notes:

(1) Sample homogenized by grinding to a powder prior to analysis.

Analyzed by: C. David Mintz 
Date: 3/9/2026

Reviewed by: Cory M. Parnell 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #210972, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

126031040

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554027
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-48-0.5	23-FEB-2026 00:00	554027-043	1	Soil	Asbestos by PLM	PLM Qualitative
CG-48-2.5	23-FEB-2026 00:00	554027-044	1	Soil	Asbestos by PLM	PLM Qualitative
CG-53-0.5	23-FEB-2026 00:00	554027-047	1	Soil	Asbestos by PLM	PLM Qualitative
CG-53-2.5	23-FEB-2026 00:00	554027-048	1	Soil	Asbestos by PLM	PLM Qualitative
CG-55-0.5	23-FEB-2026 00:00	554027-049	1	Soil	Asbestos by PLM	PLM Qualitative
CG-55-2.5	23-FEB-2026 00:00	554027-050	1	Soil	Asbestos by PLM	PLM Qualitative
CG-55-0.5-DUP	23-FEB-2026 00:00	554027-051	1	Soil	Asbestos by PLM	PLM Qualitative
CG-55-2.5-DUP	23-FEB-2026 00:00	554027-052	1	Soil	Asbestos by PLM	PLM Qualitative
CG-52-0.5	23-FEB-2026 00:00	554027-053	1	Soil	Asbestos by PLM	PLM Qualitative
CG-52-2.5	23-FEB-2026 00:00	554027-054	1	Soil	Asbestos by PLM	PLM Qualitative
EB-01-260223	23-FEB-2026 14:30	554027-055	1	Water	Asbestos	Non-potable water TEM Already sent on 2/24/26

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERA
	Date: 2-26-26 1330	Date: 2/26/26 @ 1330
	M. RIVERA	
	Date: 2/26/26 @ 1330	Date:
	Date:	Date:

Received
MAR 02 2026

Subject: Re: [External] - Await Enthalpy PO - Amerisci 126-02 2173 2180 2266 2267 2268 2269
From: AmeriSci VA <varesults@amerisci.com>
Date: 3/2/2026, 12:50 PM
To: Zaid Padilla <zaid.padilla@enthalpy.com>

Will do
Angel

On 3/2/2026 11:48 AM, Zaid Padilla wrote:

Hello, Please use the POs below. The last one is Patty's but I was able to find the PO for that job.

Thank you!

1.2266 (554007) PO-099254

2. 2267 (554008) PO-099256

3. 2268 (554010) PO-099258

4. 2269 (554027) PO-099262 - Patty's job *126-03-1040 554027 AW 3/5/26

Zaid Padilla
Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: 714-771-9908 | Mobile: 657-785-5168
zaid.padilla@enthalpy.com | enthalpy.com
Terms and Conditions

To help protect the air we breathe, the water we drink, and the soil that feeds us.

From: Angel Warden <varesults@amerisci.com>
Sent: Monday, March 2, 2026 6:15 AM
To: Jocelyn Nguyen <JocelynNguyen@enthalpy.com>; Patricia Mata <patty.mata@enthalpy.com>; Zaid Padilla <zaid.padilla@enthalpy.com>
Subject: [External] - Await Enthalpy PO - Amerisci 126-02 2173 2180 2266 2267 2268 2269

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 5, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126022269
P.O. #099262
EO-554027

Dear Patty Mata:

Enclosed are the results for TEM asbestos analysis of the following Enthalpy Analytical samples received at AmeriSci on Friday, February 27, 2026, for a 5 day turnaround:

EB-01-260223

The 1 samples were filtered and prepared according to Water analysis under the EPA-600/4-83-043 "Analytical Method for Determination of Asbestos Fibers in Water" (1983). Samples with high organic content may be prepared following EPA-600/4-80-005 if necessary and are so noted on the TEM count sheets. AmeriSci, Inc. uses the "Grid Square" method of counting and the concentration is calculated in millions of fibers per liter (MFL).

Table I represents a summary of all pertinent information used for the calculations. Included are the size of each structure counted, concentration, structure concentration greater than 10 microns in length, type of asbestiform material detected and the analytical sensitivity, which represents the concentration by the detection of one fiber in the TEM fiber count. Copies of the Fiber Count Sheets, show the raw data for examination. These data sheets contain information for fiber length/width, fiber type, structure morphology and pertinent information on EDS, SAED and photography.

This report relates ONLY to the sample analysis expressed as millions of fibers per liter (MFL). AmeriSci assumes no responsibility for customer supplied data such as “sample location” or “the condition of the water sample before arriving at AmeriSci”. This report must not be used to claim product endorsement by AmeriSci, NVLAP, ELAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AmeriSci Job #: **126022269**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

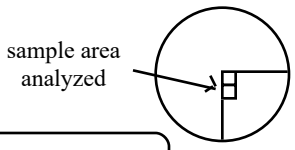
EO-554027

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	EB-01-260223	0.005	17.9	NSD	NSD	0.44	<0.44	<0.44	----

* NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter; Drinking Water accreditations do not cover waste water analysis. NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1). Fiber criteria (>=0.5 microns, for 100.1; >10 microns for 100.2; 5:1 aspect ratio for both), organic rich waste water prepped by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Sample temperatures reported above were measured upon receipt. Water samples are refrigerated upon receipt and filtered within four hours.

Reviewed By: _____ Analyzed By: Cory M. Parnell _____ Date: 3/5/2026

TEM Asbestos (Water) Count Sheet



Client Name:	Enthalpy Analytical		
Job #:	126022269	Volume (liters):	0.005
Lab Sample #:	01	Filter Type / Filter Area:	MCE 214 mm2
Client Sample #:	EB-01-260223	Grid Opening Size:	0.00967
Received:	2/27/2026 12:00:00	Area Examined:	0.09670 mm2
Date Analyzed:	3/5/2026	Magnification:	20,000
Temp:	17.9	Accelerating Voltage:	100 KeV

Analysis Performed by: Cory M. Parnell

Location	Grid Opening	Fiber	Length µM	Width µM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C3-H1	1	NSD							☐	
C3-H3	2	NSD							☐	
C3-H5	3	NSD							☐	
C3-H7	4	NSD							☐	
C3-H9	5	NSD							☐	
C4-H2	6	NSD							☐	
C4-H4	7	NSD							☐	
C4-H6	8	NSD							☐	
C4-H8	9	NSD							☐	
C4-H10	10	NSD							☐	

NSD: No Asbestos Structures Detected

Scope #: Front 4: Jeol JEM-100CX II, Serial No.156147-247

Comments

		Concentration (million fibers/liter)	Grid Evaluation
Total Grid Openings:	10		☑ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<0.443	☑ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<0.443	☑ Undissolved Filter < 10%
Asbestos Structures >10 microns:	0	<0.443	☑ Folded Replica < 50%
Total Asbestos Structures:	0	<0.443	☑ Filter Loading < 25%
Analytical Sensitivity:		0.443	☑ Particulate Even

1260222 69

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554027
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-48-0.5	23-FEB-2026 00:00	554027-043	1	Soil	Asbestos by PLM	PLM Qualitative
CG-48-2.5	23-FEB-2026 00:00	554027-044	1	Soil	Asbestos by PLM	PLM Qualitative
CG-53-0.5	23-FEB-2026 00:00	554027-047	1	Soil	Asbestos by PLM	PLM Qualitative
CG-53-2.5	23-FEB-2026 00:00	554027-048	1	Soil	Asbestos by PLM	PLM Qualitative
CG-55-0.5	23-FEB-2026 00:00	554027-049	1	Soil	Asbestos by PLM	PLM Qualitative
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CG-55-2.5-DUP	23-FEB-2026 00:00	554027-052	1	Soil	Asbestos by PLM	PLM Qualitative
CG-52-0.5	23-FEB-2026 00:00	554027-053	1	Soil	Asbestos by PLM	PLM Qualitative
CG-52-2.5	23-FEB-2026 00:00	554027-054	1	Soil	Asbestos by PLM	PLM Qualitative
EB-01-260223	23-FEB-2026 14:30	554027-055	1	Water	Asbestos	Non-potable water TEM

a.p 2/24/26

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERO
	Date: 2-25-26 1340	Date: 2/25/26 0 1345
	M. RIVERO	
	Date: 2/25/26 0 1345	Date:
	Date:	Date:

Received
FEB 27 2026
AL

Subject: Re: [External] - Await Enthalpy PO - Amerisci 126-02 2173 2180 2266 2267 2268 2269
From: Zaid Padilla <zaid.padilla@enthalpy.com>
Date: 3/2/2026, 11:48 AM
To: Angel Warden <varesults@amerisci.com>, Jocelyn Nguyen <JocelynNguyen@enthalpy.com>, Patricia Mata <patty.mata@enthalpy.com>

Hello, Please use the POs below. The last one is Patty's but I was able to find the PO for that job.

Thank you!

1.2266 (554007) PO-099254

2. 2267 (554008) PO-099256

3. 2268 (554010) PO-099258

4. 2269 (554027) PO-099262 - Patty's job

Zaid Padilla
Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: 714-771-9908 | Mobile: 657-785-5168
zaid.padilla@enthalpy.com | enthalpy.com

Terms and Conditions

To help protect the air we breathe, the water we drink, and the soil that feeds us.

From: Angel Warden <varesults@amerisci.com>
Sent: Monday, March 2, 2026 6:15 AM
To: Jocelyn Nguyen <JocelynNguyen@enthalpy.com>; Patricia Mata <patty.mata@enthalpy.com>; Zaid Padilla <zaid.padilla@enthalpy.com>
Subject: [External] - Await Enthalpy PO - Amerisci 126-02 2173 2180 2266 2267 2268 2269

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Hello Jocelyn
Here are the Enthalpy Jobs awaiting PO.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	554200
Report Level	:	II
Report Date	:	03/20/2026
Revision	:	**2 (See narrative)**

Analytical Report *prepared for:*

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: CENTENNIAL HS - Centennial High School, 2606 N Central Ave., Compton, CA 90222

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554200
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/24/26

Sample ID	Lab ID	Collected	Matrix
AOC5-SB-11-0.5	554200-001	02/24/26 07:30	Soil
AOC5-SB-12-0.5	554200-002	02/24/26 08:03	Soil
AOC5-SB-13-0.5	554200-003	02/24/26 08:20	Soil
AOC5-SB-11-2.5	554200-004	02/24/26 07:37	Soil
AOC5-SB-12-2.5	554200-005	02/24/26 08:09	Soil
AOC5-SB-13-2.5	554200-006	02/24/26 08:25	Soil
AOC5-SB-16-0.5	554200-007	02/24/26 08:40	Soil
AOC5-SB-15-0.5	554200-008	02/24/26 09:49	Soil
AOC5-SB-14-0.5	554200-009	02/24/26 10:05	Soil
AOC5-SB-11-5.0	554200-010	02/24/26 07:55	Soil
AOC5-SB-16-2.5	554200-011	02/24/26 08:47	Soil
AOC5-SB-15-2.5	554200-012	02/24/26 09:54	Soil
AOC5-SB-14-2.5	554200-013	02/24/26 10:14	Soil
AOC5-SB-19-0.5	554200-014	02/24/26 09:03	Soil
AOC5-SB-18-0.5	554200-015	02/24/26 09:39	Soil
AOC5-SB-17-0.5	554200-016	02/24/26 10:18	Soil
AOC5-SB-19-2.5	554200-017	02/24/26 09:10	Soil
AOC5-SB-18-2.5	554200-018	02/24/26 09:46	Soil
AOC5-SB-17-2.5	554200-019	02/24/26 10:23	Soil
AOC6-SB-01-0.5	554200-020	02/24/26 10:38	Soil
AOC6-SB-02-0.5	554200-021	02/24/26 10:47	Soil
AOC6-SB-03-0.5	554200-022	02/24/26 10:57	Soil
AOC6-SB-04-0.5	554200-023	02/24/26 10:53	Soil
AOC6-SB-01-2.5	554200-024	02/24/26 10:43	Soil
AOC6-SB-02-2.5	554200-025	02/24/26 10:51	Soil
AOC6-SB-03-2.5	554200-026	02/24/26 10:59	Soil

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	554200 CENTENNIAL HS Centennial High School, 2606 N Central Ave., Compton, CA 90222 02/24/26

Sample ID	Lab ID	Collected	Matrix
AOC6-SB-04-2.5	554200-027	02/24/26 10:55	Soil
AOC6-SB-05-0.5	554200-028	02/24/26 11:15	Soil
AOC6-SB-06-0.5	554200-029	02/24/26 11:30	Soil
DUP-01-0.5-260224	554200-030	02/24/26 00:00	Soil
DUP-01-2.5-260224	554200-031	02/24/26 00:00	Soil
CG-49-0.5	554200-032	02/24/26 00:00	Soil
CG-49-2.5	554200-033	02/24/26 00:00	Soil
CG-49-0.5-DUP	554200-034	02/24/26 00:00	Soil
CG-49-2.5-DUP	554200-035	02/24/26 00:00	Soil
CG-50-0.5	554200-036	02/24/26 00:00	Soil
CG-50-2.5	554200-037	02/24/26 00:00	Soil
CG-51-0.5	554200-038	02/24/26 00:00	Soil
CG-51-2.5	554200-039	02/24/26 00:00	Soil
AOC6-SB-05-2.5	554200-040	02/24/26 11:20	Soil
AOC6-SB-06-2.5	554200-041	02/24/26 11:35	Soil
AOC6-SB-07-0.5	554200-042	02/24/26 11:55	Soil
AOC6-SB-07-2.5	554200-043	02/24/26 12:00	Soil
AOC6-SB-08-0.5	554200-044	02/24/26 11:42	Soil
AOC6-SB-08-2.5	554200-045	02/24/26 11:45	Soil
AOC6-SB-09-0.5	554200-046	02/24/26 14:00	Soil
AOC6-SB-09-2.5	554200-047	02/24/26 14:10	Soil
DUP-01-0.5-260224	554200-048	02/24/26 00:00	Soil
DUP-01-2.5-260224	554200-049	02/24/26 00:00	Soil
AOC6-SB-10-0.5	554200-050	02/24/26 13:20	Soil
AOC6-SB-10-2.5	554200-051	02/24/26 13:25	Soil
CG-56-2.5	554200-052	02/24/26 00:00	Soil

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	554200 CENTENNIAL HS Centennial High School, 2606 N Central Ave., Compton, CA 90222 02/24/26

Sample ID	Lab ID	Collected	Matrix
CG-56-0.5	554200-053	02/24/26 00:00	Soil
CG-57-0.5	554200-054	02/24/26 00:00	Soil
CG-57-2.5	554200-055	02/24/26 00:00	Soil
EB-01-260224	554200-056	02/24/26 14:50	Water

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Vanya Keyes	Lab Job Number: 554200 Project No: CENTENNIAL HS Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222 Date Received: 02/24/26

- This data package contains sample and QC results for twenty three soil samples, six three-point soil composites, two four-point soil composites, two two-point soil composites, and one water sample, requested for the above referenced project on 02/25/26. The samples were received in good condition.
- Revised report on 3/20/26 to include additional CARB 435 400pt count asbestos test results for sample CG-50-0.5 as requested.

Pesticides (EPA 8081A) Water:
No analytical problems were encountered.

Pesticides (EPA 8081A) Soil:

- CG-50-0.5 (lab # 554200-036) and CG-51-0.5 (lab # 554200-038) were diluted due to the color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilutions.
- No other analytical problems were encountered.

PCBs (EPA 8082) Water:
No analytical problems were encountered.

PCBs (EPA 8082) Soil:

- Lab numbers 554200-001, 554200-002, 554200-003, 554200-007, 554200-008, 554200-009, 554200-014, 554200-015, 554200-016, 554200-020, 554200-021, 554200-022, 554200-023, 554200-028, 554200-029, 554200-042, 554200-043, 554200-044, and 554200-045 were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- No other analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A) Water:
No analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- High response was observed for antimony in the CCV analyzed 02/26/26 20:53; affected data was qualified with "b". This analyte was not detected at or above the RL in the associated samples.
- Low recoveries were observed for antimony in the MS/MSD of AOC5-SB-11-2.5 (lab # 554200-004); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

100.1 Asbestos (EPA 100.1 Asbestos):
AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

Asbestos (CARB 435):
No analytical problems were encountered.

Asbestos by PLM (EPA 600/R-93-116):

AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554200
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/24/26

Sample ID: AOC5-SB-11-0.5 **Lab ID: 554200-001** **Collected: 02/24/26 07:30**
Matrix: Soil

554200-001 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**4.6**		mg/Kg	1.0

Sample ID: AOC5-SB-12-0.5 **Lab ID: 554200-002** **Collected: 02/24/26 08:03**
Matrix: Soil

554200-002 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**19**		mg/Kg	0.98

Sample ID: AOC5-SB-13-0.5 **Lab ID: 554200-003** **Collected: 02/24/26 08:20**
Matrix: Soil

554200-003 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**11**		mg/Kg	0.96

Sample ID: AOC5-SB-11-2.5 **Lab ID: 554200-004** **Collected: 02/24/26 07:37**
Matrix: Soil

554200-004 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**11**		mg/Kg	0.98
Barium	**150**		mg/Kg	0.98
Beryllium	**1.0**		mg/Kg	0.98
Cadmium	**0.69**		mg/Kg	0.49
Chromium	**25**		mg/Kg	2.0
Cobalt	**12**		mg/Kg	0.98
Copper	**27**		mg/Kg	2.0
Lead	**11**		mg/Kg	0.98
Molybdenum	**2.7**		mg/Kg	0.98
Nickel	**19**		mg/Kg	2.0
Vanadium	**48**		mg/Kg	2.0
Zinc	**69**		mg/Kg	9.8

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-16-0.5 **Lab ID: 554200-007** **Collected: 02/24/26 08:40**
Matrix: Soil

554200-007 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**6.5**		mg/Kg	0.98

Sample ID: AOC5-SB-15-0.5 **Lab ID: 554200-008** **Collected: 02/24/26 09:49**
Matrix: Soil

554200-008 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**16**		mg/Kg	0.98

Sample ID: AOC5-SB-14-0.5 **Lab ID: 554200-009** **Collected: 02/24/26 10:05**
Matrix: Soil

554200-009 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**36**		mg/Kg	1.0

Sample ID: AOC5-SB-19-0.5 **Lab ID: 554200-014** **Collected: 02/24/26 09:03**
Matrix: Soil

554200-014 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**9.6**		mg/Kg	0.95

Sample ID: AOC5-SB-18-0.5 **Lab ID: 554200-015** **Collected: 02/24/26 09:39**
Matrix: Soil

554200-015 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**26**		mg/Kg	0.97

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-17-0.5 **Lab ID: 554200-016** **Collected: 02/24/26 10:18**
Matrix: Soil

554200-016 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**43**		mg/Kg	0.97
Method: EPA 8082 Prep Method: EPA 3546				
Aroclor-1254	**74**		ug/Kg	50
Aroclor-1260	**65**		ug/Kg	50
Total PCBs	**140**		ug/Kg	50

Sample ID: AOC6-SB-01-0.5 **Lab ID: 554200-020** **Collected: 02/24/26 10:38**
Matrix: Soil

554200-020 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**19**		mg/Kg	1.0

Sample ID: AOC6-SB-02-0.5 **Lab ID: 554200-021** **Collected: 02/24/26 10:47**
Matrix: Soil

554200-021 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**15**		mg/Kg	0.99

Sample ID: AOC6-SB-03-0.5 **Lab ID: 554200-022** **Collected: 02/24/26 10:57**
Matrix: Soil

554200-022 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**21**		mg/Kg	0.95

Sample ID: AOC6-SB-04-0.5 **Lab ID: 554200-023** **Collected: 02/24/26 10:53**
Matrix: Soil

554200-023 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**18**		mg/Kg	0.99

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC6-SB-05-0.5	Lab ID: 554200-028	Collected: 02/24/26 11:15
	Matrix: Soil	

554200-028 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**38**		mg/Kg	0.97

Sample ID: AOC6-SB-06-0.5	Lab ID: 554200-029	Collected: 02/24/26 11:30
	Matrix: Soil	

554200-029 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**12**		mg/Kg	1.0

Sample ID: DUP-01-0.5-260224	Lab ID: 554200-030	Collected: 02/24/26
	Matrix: Soil	

554200-030 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**5.5**		mg/Kg	0.97

Sample ID: CG-49-0.5	Lab ID: 554200-032	Collected: 02/24/26

No Detections

Sample ID: CG-49-2.5	Lab ID: 554200-033	Collected: 02/24/26

No Detections

Sample ID: CG-49-0.5-DUP	Lab ID: 554200-034	Collected: 02/24/26

No Detections

Sample ID: CG-49-2.5-DUP	Lab ID: 554200-035	Collected: 02/24/26

No Detections

Sample ID: CG-50-0.5	Lab ID: 554200-036	Collected: 02/24/26

No Detections

Sample ID: CG-50-2.5	Lab ID: 554200-037	Collected: 02/24/26

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: CG-51-0.5	Lab ID: 554200-038	Collected: 02/24/26

No Detections

Sample ID: CG-51-2.5	Lab ID: 554200-039	Collected: 02/24/26

No Detections

Sample ID: AOC6-SB-07-0.5	Lab ID: 554200-042	Collected: 02/24/26 11:55

No Detections

Sample ID: AOC6-SB-07-2.5	Lab ID: 554200-043	Collected: 02/24/26 12:00

No Detections

Sample ID: AOC6-SB-08-0.5	Lab ID: 554200-044	Collected: 02/24/26 11:42

No Detections

Sample ID: AOC6-SB-08-2.5	Lab ID: 554200-045	Collected: 02/24/26 11:45

No Detections

Sample ID: AOC6-SB-09-0.5	Lab ID: 554200-046	Collected: 02/24/26 14:00
	Matrix: Soil	

554200-046 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**5.4**		mg/Kg	0.95

Sample ID: AOC6-SB-10-0.5	Lab ID: 554200-050	Collected: 02/24/26 13:20
	Matrix: Soil	

554200-050 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**5.3**		mg/Kg	0.98

Sample ID: CG-56-2.5	Lab ID: 554200-052	Collected: 02/24/26

No Detections

Sample ID: CG-56-0.5	Lab ID: 554200-053	Collected: 02/24/26

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: CG-57-0.5	Lab ID: 554200-054	Collected: 02/24/26

No Detections

Sample ID: CG-57-2.5	Lab ID: 554200-055	Collected: 02/24/26

No Detections

Sample ID: EB-01-260224	Lab ID: 554200-056	Collected: 02/24/26 14:50

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554200

Page: 1 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

Test Instructions / Comments

5.0 IR-10 5.0 to 0.2/1

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260A	TPH by USEPA 8015		Test Instructions / Comments
1	AOC5-SB-11-0.5	2/24/26	0730	S	G	0	2	807	PCI		X	X						CG-49-0.5
2	AOC5-SB-12-0.5		0803				2				X	X						
3	AOC5-SB-13-0.5		0820				2				X	X						
4	AOC5-SB-11-2.5		0737				2						X					CG-49-2.5
5	AOC5-SB-12-2.5		0809				2											
6	AOC5-SB-13-2.5		0825				2											
7	AOC5-SB-16-0.5		0840				1				X	X						CG-50-0.5
8	AOC5-SB-15-0.5		0949				1				X	X						
9	AOC5-SB-14-0.5		1005				1				X	X						
10	AOC5-SB-11-5.0	2/24/26	0755	S	G	0	1	807	PCI									hold

Login 554200

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Portia Ibarra	TEI / OLEM	1510 / 2/24/26
1 Received By:		GEMA O.	EANL	1510 02/24/26
2 Relinquished By:		GEMA O.	EANL	1053 2/25/26
2 Received By:		Leo BRADY	ENTH	2-25-26 / 11:30
3 Relinquished By:		Leo BRADY	ENTH	2-25-26 / 12:10
Rec:		Anna Roberts	EA	2-25-26 12:10

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 2 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air, S = Soil/Solid, W = Water, DW = Drinking Water, P = Product, O = Oil, SD = Sediment, T = Tissue, WP = Wipe, WW = Wastewater, X = Other

Sample Type: C = Composite, G = Grab or Discrete, B = Blank, O = Other

Preservatives: 0 = none, 1 = $Na_2S_2O_3$, 2 = HCl, 3 = HNO_3, 4 = H_2SO_4, 5 = NaOH, 6 = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

Test Instructions / Comments

IR-10
5.0/+0.2

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260A	TPH by USEPA 8015	
1	AOCS-SB-16-2.5	2/24/26	0847	S	G	0	1	80z	PCI								CG-50-2.5
2	AOCS-SB-15-2.5	↓	0954	↓	↓	↓	↓	↓	↓								
3	AOCS-SB-14-2.5	↓	1014	↓	↓	↓	↓	↓	↓								
4	AOCS-SB-19-0.5	2/24/26	0903	↓	↓	↓	↓	↓	↓		X	X					CG-51-0.5
5	AOCS-SB-18-0.5	↓	0939	↓	↓	↓	↓	↓	↓		X	X					
6	AOCS-SB-17-0.5	↓	1018	↓	↓	↓	↓	↓	↓		X	X					
7	AOCS-SB-19-2.5	↓	0910	↓	↓	↓	↓	↓	↓								CG-51-2.5
8	AOCS-SB-18-2.5	↓	0946	↓	↓	↓	↓	↓	↓								
9	AOCS-SB-17-2.5	2/24/26	1023	S	G	0	1	80z	PCI								
10																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Portia Ibarra	TEI / Geo	2/24/26 / 1510
[1] Received By:		Gema G.	EANH	2/24/26 1510
[2] Relinquished By:		GEMA G.	EANH	2/25/26 1053
[2] Received By:		Lee Brady	enth	2-25-26/ 11:30
[3] Relinquished By:		Lee Brady	enth	2-25-26/ 12:10
Rec		Anna Roberts	EA	2-25-26 12:10

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 3 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

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Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260A	TPH by USEPA 8015	Test Instructions / Comments
1	A0C6-SB-01-0.5	2/24/26	1038	S	G	0	1	8oz	PCI		X	X					IR-10 Temp 5.0C/+0.2 Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com
2	A0C6-SB-02-0.5		1047								X	X					
3	A0C6-SB-03-0.5		1057								X	X					CG-56-0.5
4	A0C6-SB-04-0.5		1053								X	X					
5	A0C6-SB-01-2.5		1043														
6	A0C6-SB-02-2.5		1051														CG-56-2.5
7	A0C6-SB-03-2.5		1059														
8	A0C6-SB-04-2.5		1055														
9	A0C6-SB-05-0.5	PI	1115								X	X					CG-57-0.5
10	A0C6-SB-06-0.5	2/24/26	1130								X	X					

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		PORTIA IBARRA	TERRAPHASE	2/24/26 1510
1 Received By:		GEMA O	EANH	2-24-26 1510
2 Relinquished By:		GEMA O.	EANH	2/25/26 1053
2 Received By:		LEO BRADY	enth	2-25-26 11:30
3 Relinquished By:		LEO BRADY	enth	2-25-26 12:10
Rec'd		Anna Roberts	EA	2-25-26 12:10

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 4 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	arsenic 6020	hold					Test Instructions / Comments
1	DUP-01-0.5-260224		—									X						
2	DUP-01-2.5-260224		—										X					
3	CG-49-0.5									X	X							
4	CG-49-2.5									X	X							
5	CG-49-0.5-DUP									X	X							Split from CG-49-0.5
6	CG-49-2.5-DUP									X	X							Split from CG-49-2.5
7	CG-50-0.5 [redacted] P1									X	X							
8	CG-50-2.5									X	X							
9	CG-51-0.5									X	X							
10	CG-51-2.5									X	X							

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

IR-10 5.0 +0.2

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[redacted]	Portia Ibarra	TEI / QEI	2/24/26 / 1510
1 Received By:	[redacted]	GEMA O.	EANH	2-24-26 1510
2 Relinquished By:	[redacted]	GEMA O	EANH	2/25/26 1053
2 Received By:	[redacted]	Leo Brand	[redacted]	2-25-26 / 11:30
3 Relinquished By:	[redacted]	Leo Brand	[redacted]	2-25-26 / 12:10

Rec: [redacted] Anna Roberts EA 2-25-26 12:10

16 of 77

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 5 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air, S = Soil/Solid, W = Water, DW = Drinking Water, P = Product, O = Oil, SD = Sediment, T = Tissue, WP = Wipe, WW = Wastewater, X = Other

Sample Type: C = Composite, G = Grab or Discrete, B = Blank, O = Other

Preservatives: 0 = none, 1 = $Na_2S_2O_3$, 2 = HCl, 3 = HNO_3, 4 = H_2SO_4, 5 = NaOH, 6 = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

Test Instructions / Comments: TR-10, 3.0 °C / +0.2

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260A	TPH by USEPA 8015		Test Instructions / Comments
1	AOC6-SB-05-2.5	2/24/26	1120	S	G	0	1	8oz	PCl									3 CG-57-2.5
2	AOC6-SB-06-2.5	"	1135	"	"	"	"	"	"									
3	AOC6-SB-07-0.5	"	1155	"	"	"	"	"	"			X						
4	AOC6-SB-07-2.5	"	1200	"	"	"	"	"	"			X						
5	AOC6-SB-08-0.5	"	1142	"	"	"	"	"	"			X						
6	AOC6-SB-08-2.5	"	1145	"	"	"	"	"	"			X						
7	AOC6-SB-09-0.5	"	1400	"	"	"	"	"	"	X								
8	AOC6-SB-09-2.5	"	1410	"	"	"	"	"	"									hold
9	DUP-01-0.5-260224	"	—	"	"	"	"	"	"	X								
10	DUP-01-2.5-260224	2/24/26	—	"	"	"	"	"	PCl									hold

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		PORTIA IBARRA	TERRAPHASE	2/24/26 / 1510
1 Received By:		GEMA O.	EA	2-24-26 1510
2 Relinquished By:		GEMA O	EA	2/25/26 1053
2 Received By:		LEO BRADY	EA	2-25-26 / 11:30
3 Relinquished By:		LEO BRADY	EA	2-25-26 / 12:10
Rec:		Anna Roberts	EA	2-25-26 12:10

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 6 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

Test Instructions / Comments

IR-10
5.0 +/- 0.2

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	Arsenic by USEPA 6020	Lead by USEPA 6010B	PCBs by USEPA 8082	Title 22 Metals by USEPA 6020/7471A	Dioxins & Furans by USEPA 8290A	VOCs by USEPA 8260A	TPH by USEPA 8015		Test Instructions / Comments
1	AOC6-SB-10-0.5	2/24/26	1320	S	G	0	1	8oz	PCI	X								
2	AOC6-SB-10-2.5	2/24/26	1325	S	G	0	2	8oz	PCI									hold
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PORTIA IBARRA	TER/QUAL	2/24/26 1510
[1] Received By:		GEMA O.	EAMH	2-24-26 1510
[2] Relinquished By:		GEMA O	EAMH	2/25/26 1053
[2] Received By:		LEO BRADY	ENTH	2-25-26 11:30
[3] Relinquished By:		LEO BRADY	ENTH	2-25-26 12:10
Rec:		Anna Roberts	EA	2-25-26 12:10

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 7 of 7

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial Highschool
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
	Irvine, CA		Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	Portia C. Ibarra

Test Instructions / Comments

IR-10
5.0°C/+0.2

Please also send report to clare.steedman@terraphase.com & portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	PCBs 8082	THC 22 metals 6020/7471A					
1	CG-56-2.5									X	X							
2	CG-56-0.5									X	X							
3	CG-57-0.5									X	X							
4	CG-57-2.5									X	X							
5	EB-01-260224	2/24/26	1450	W	G	3	2amb 1poly	3	PCI	X	X	X	X					
6																		
7																		
8																		
9																		
10																		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PORTIA IBARRA	TEI / GHD	2/24/26 1510
[1] Received By:		GENA O.	EANH	2-24-26 1510
[2] Relinquished By:		GENA O	EANH	2/25/26 1053
[2] Received By:		Leo Brandy	enth	2-25-26 11:30
[3] Relinquished By:		Leo Brandy	enth	2-25-26 12:10
Rec:		Anna Roberts	EA	2-25-26 12:10

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/24/26 WO# _____ Client: Terraphase

Section 2: Shipping / Custody **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/24/26 By (initials) GXO Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.8

Cooler Temp (°C) #1: 14 / 13.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?	✓		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✗
13) Are VOA vials free from headspace/bubbles > 6mm?			✗

Section 5: Explanations / Comments ☐ **PM notified**

Date Logged _____ **By (print)**_____ **(sign)**_____

Date Labeled _____ **By (print)**_____ **(sign)**_____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/25/26 WO# 554200 Client: Terraphase

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/25/26 By (initials) LXB Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 10 CF: +0.2

Cooler Temp (°C) #1: 5.0/5.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?	X		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?		X	
6) Are sample labels present, legible, and in agreement with the CoC?	X*		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.5 Received 1x container with Sample ID "Dup-01-05-260224" but both Samples -030 and -048 have this ID on the COC

Received 1x container with Sample ID "Dup-01-2.5-260224" but both Samples -031 and -049 have this ID on the COC

☐ **No additional discrepancies**

Date Logged 2/24/26 **By (print)** ABD **(sign)** ADW

Date Labeled 2/25/26 **By (print)** AGR **(sign)**

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Analysis Results for 554200

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554200
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/24/26

Sample ID: AOC5-SB-11-0.5 **Lab ID: 554200-001** **Collected: 02/24/26 07:30**
Matrix: Soil

554200-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.6**		mg/Kg	1.0	1	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	93%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC5-SB-12-0.5 **Lab ID: 554200-002** **Collected: 02/24/26 08:03**
Matrix: Soil

554200-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**19**		mg/Kg	0.98	0.98	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	49	0.98	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	89%		%REC	50-127	0.98	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: AOC5-SB-13-0.5 **Lab ID: 554200-003** **Collected: 02/24/26 08:20**
Matrix: Soil

554200-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**11**		mg/Kg	0.96	0.96	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	90%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC5-SB-11-2.5 **Lab ID: 554200-004** **Collected: 02/24/26 07:37**
Matrix: Soil

554200-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	0.98	0.98	396488	02/26/26	02/27/26	DXC
Arsenic	**11**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Barium	**150**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Beryllium	**1.0**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Cadmium	**0.69**		mg/Kg	0.49	0.98	396488	02/26/26	02/26/26	DXC
Chromium	**25**		mg/Kg	2.0	0.98	396488	02/26/26	02/26/26	DXC
Cobalt	**12**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Copper	**27**		mg/Kg	2.0	0.98	396488	02/26/26	02/26/26	DXC
Lead	**11**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Molybdenum	**2.7**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Nickel	**19**		mg/Kg	2.0	0.98	396488	02/26/26	02/26/26	DXC
Selenium	ND		mg/Kg	3.9	0.98	396488	02/26/26	02/26/26	DXC
Silver	ND		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Thallium	ND		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC
Vanadium	**48**		mg/Kg	2.0	0.98	396488	02/26/26	02/26/26	DXC
Zinc	**69**		mg/Kg	9.8	0.98	396488	02/26/26	02/26/26	DXC
Method: EPA 7471A Prep Method: EPA 7471A									
Mercury	ND		mg/Kg	0.16	1.2	396490	02/26/26	02/26/26	MLL

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC5-SB-16-0.5	Lab ID: 554200-007	Collected: 02/24/26 08:40
	Matrix: Soil	

554200-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.5**		mg/Kg	0.98	0.98	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	91%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC5-SB-15-0.5	Lab ID: 554200-008	Collected: 02/24/26 09:49
	Matrix: Soil	

554200-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**16**		mg/Kg	0.98	0.98	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	96%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC5-SB-14-0.5	Lab ID: 554200-009	Collected: 02/24/26 10:05
	Matrix: Soil	

554200-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**36**		mg/Kg	1.0	1	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	96%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC5-SB-19-0.5	Lab ID: 554200-014	Collected: 02/24/26 09:03
	Matrix: Soil	

554200-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.6**		mg/Kg	0.95	0.95	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	76%		%REC	50-127	0.99	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC5-SB-18-0.5 **Lab ID: 554200-015** **Collected: 02/24/26 09:39**
Matrix: Soil

554200-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**26**		mg/Kg	0.97	0.97	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	90%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC5-SB-17-0.5 **Lab ID: 554200-016** **Collected: 02/24/26 10:18**
Matrix: Soil

554200-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**43**		mg/Kg	0.97	0.97	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	**74**		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	**65**		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	**140**		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	92%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: AOC6-SB-01-0.5 **Lab ID: 554200-020** **Collected: 02/24/26 10:38**
Matrix: Soil

554200-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**19**		mg/Kg	1.0	1	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	83%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC6-SB-02-0.5 **Lab ID: 554200-021** **Collected: 02/24/26 10:47**
Matrix: Soil

554200-021 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**15**		mg/Kg	0.99	0.99	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	90%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC6-SB-03-0.5	Lab ID: 554200-022	Collected: 02/24/26 10:57
	Matrix: Soil	

554200-022 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**21**		mg/Kg	0.95	0.95	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	92%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC6-SB-04-0.5	Lab ID: 554200-023	Collected: 02/24/26 10:53
	Matrix: Soil	

554200-023 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**18**		mg/Kg	0.99	0.99	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	86%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: AOC6-SB-05-0.5 **Lab ID: 554200-028** **Collected: 02/24/26 11:15**
Matrix: Soil

554200-028 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**38**		mg/Kg	0.97	0.97	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	85%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: AOC6-SB-06-0.5 **Lab ID: 554200-029** **Collected: 02/24/26 11:30**
Matrix: Soil

554200-029 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	1.0	1	396473	02/26/26	02/27/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	84%		%REC	50-127	1	396845	03/02/26	03/03/26	XLY

Sample ID: DUP-01-0.5-260224 **Lab ID: 554200-030** **Collected: 02/24/26**
Matrix: Soil

554200-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B									
Arsenic	**5.5**		mg/Kg	0.97	0.97	396488	02/26/26	02/26/26	DXC

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: CG-49-0.5	Lab ID: 554200-032	Collected: 02/24/26
	Matrix: Soil	

554200-032 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	75%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	60%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: CG-49-2.5	Lab ID: 554200-033	Collected: 02/24/26
	Matrix: Soil	

554200-033 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	51	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	84%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	77%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: CG-49-0.5-DUP	Lab ID: 554200-034	Collected: 02/24/26
	Matrix: Soil	

554200-034 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	74%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	74%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: CG-49-2.5-DUP	Lab ID: 554200-035	Collected: 02/24/26
	Matrix: Soil	

554200-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	82%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	70%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: CG-50-0.5	Lab ID: 554200-036	Collected: 02/24/26
	Matrix: Soil	

554200-036 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	10	2	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	20	2	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	200	2	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	100	2	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	83%		%REC	58-120	2	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	84%		%REC	47-120	2	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: CG-50-2.5	Lab ID: 554200-037	Collected: 02/24/26
	Matrix: Soil	

554200-037 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	99	0.99	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	0.99	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	83%		%REC	58-120	0.99	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	76%		%REC	47-120	0.99	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: CG-51-0.5	Lab ID: 554200-038	Collected: 02/24/26
	Matrix: Soil	

554200-038 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	9.9	2	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	20	2	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	200	2	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	99	2	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	83%		%REC	58-120	2	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	79%		%REC	47-120	2	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554200

Sample ID: CG-51-2.5	Lab ID: 554200-039	Collected: 02/24/26
	Matrix: Soil	

554200-039 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	83%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	72%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Sample ID: AOC6-SB-07-0.5	Lab ID: 554200-042	Collected: 02/24/26 11:55
	Matrix: Soil	

554200-042 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1221	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1232	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1242	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1248	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1254	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1260	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1262	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1268	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Total PCBs	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	88%		%REC	50-127	0.99	396845	03/02/26	03/03/26	KLR

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC6-SB-07-2.5	Lab ID: 554200-043	Collected: 02/24/26 12:00
	Matrix: Soil	

554200-043 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1221	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1232	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1242	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1248	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1254	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1260	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1262	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Aroclor-1268	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Total PCBs	ND		ug/Kg	51	1	396845	03/02/26	03/03/26	KLR
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	90%		%REC	50-127	1	396845	03/02/26	03/03/26	KLR

Sample ID: AOC6-SB-08-0.5	Lab ID: 554200-044	Collected: 02/24/26 11:42
	Matrix: Soil	

554200-044 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1221	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1232	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1242	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1248	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1254	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1260	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1262	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Aroclor-1268	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Total PCBs	ND		ug/Kg	50	1	396845	03/02/26	03/03/26	KLR
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	85%		%REC	50-127	1	396845	03/02/26	03/03/26	KLR

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: AOC6-SB-08-2.5 **Lab ID: 554200-045** **Collected: 02/24/26 11:45**
Matrix: Soil

554200-045 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1221	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1232	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1242	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1248	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1254	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1260	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1262	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Aroclor-1268	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Total PCBs	ND		ug/Kg	49	0.99	396845	03/02/26	03/03/26	KLR
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	91%		%REC	50-127	0.99	396845	03/02/26	03/03/26	KLR

Sample ID: AOC6-SB-09-0.5 **Lab ID: 554200-046** **Collected: 02/24/26 14:00**
Matrix: Soil

554200-046 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B									
Arsenic	**5.4**		mg/Kg	0.95	0.95	396488	02/26/26	02/26/26	DXC

Sample ID: AOC6-SB-10-0.5 **Lab ID: 554200-050** **Collected: 02/24/26 13:20**
Matrix: Soil

554200-050 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B									
Arsenic	**5.3**		mg/Kg	0.98	0.98	396488	02/26/26	02/26/26	DXC

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

Sample ID: CG-56-2.5	Lab ID: 554200-052	Collected: 02/24/26
	Matrix: Soil	

554200-052 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	0.99	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	9.9	0.99	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	99	0.99	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	0.99	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	80%		%REC	58-120	0.99	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	76%		%REC	47-120	0.99	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554200

Sample ID: CG-56-0.5	Lab ID: 554200-053	Collected: 02/24/26
	Matrix: Soil	

554200-053 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.0	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	50	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	81%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	100%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554200

Sample ID: CG-57-0.5	Lab ID: 554200-054	Collected: 02/24/26
	Matrix: Soil	

554200-054 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	51	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	74%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	68%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554200

Sample ID: CG-57-2.5	Lab ID: 554200-055	Collected: 02/24/26
	Matrix: Soil	

554200-055 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
beta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
gamma-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
delta-BHC	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Aldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan I	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Dieldrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDE	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan II	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endosulfan sulfate	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDD	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin aldehyde	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Endrin ketone	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
4,4'-DDT	ND		ug/Kg	5.1	1	396891	03/03/26	03/03/26	MES
Methoxychlor	ND		ug/Kg	10	1	396891	03/03/26	03/03/26	MES
Toxaphene	ND		ug/Kg	100	1	396891	03/03/26	03/03/26	MES
Chlordane (Technical)	ND		ug/Kg	51	1	396891	03/03/26	03/03/26	MES
Surrogates				**Limits**					
TCMX	86%		%REC	58-120	1	396891	03/03/26	03/03/26	MES
Decachlorobiphenyl	97%		%REC	47-120	1	396891	03/03/26	03/03/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554200

Sample ID: EB-01-260224	Lab ID: 554200-056	Collected: 02/24/26 14:50
	Matrix: Water	

554200-056 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3015A									
Antimony	ND		ug/L	2.0	1	396527	02/26/26	02/27/26	MLL
Arsenic	ND		ug/L	2.0	1	396527	02/26/26	02/27/26	MLL
Barium	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Beryllium	ND		ug/L	1.0	1	396527	02/26/26	02/27/26	MLL
Cadmium	ND		ug/L	1.0	1	396527	02/26/26	02/27/26	MLL
Chromium	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Cobalt	ND		ug/L	1.0	1	396527	02/26/26	02/27/26	MLL
Copper	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Lead	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Molybdenum	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Nickel	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Selenium	ND		ug/L	4.0	1	396527	02/26/26	02/27/26	MLL
Silver	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Thallium	ND		ug/L	1.0	1	396527	02/26/26	02/27/26	MLL
Vanadium	ND		ug/L	5.0	1	396527	02/26/26	02/27/26	MLL
Zinc	ND		ug/L	10	1	396527	02/26/26	02/27/26	MLL
Method: EPA 7470A Prep Method: EPA 7470A									
Mercury	ND		ug/L	0.40	1	396478	02/26/26	02/26/26	MLL
Method: EPA 8081A Prep Method: EPA 3510C									
alpha-BHC	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
beta-BHC	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
gamma-BHC	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
delta-BHC	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
Heptachlor	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
Aldrin	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
Heptachlor epoxide	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
Endosulfan I	ND		ug/L	0.05	0.95	396470	02/26/26	03/02/26	XLY
Dieldrin	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
4,4'-DDE	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Endrin	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Endosulfan II	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Endosulfan sulfate	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
4,4'-DDD	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Endrin aldehyde	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Endrin ketone	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
4,4'-DDT	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Methoxychlor	ND		ug/L	0.1	0.95	396470	02/26/26	03/02/26	XLY
Toxaphene	ND		ug/L	1.9	0.95	396470	02/26/26	03/02/26	XLY
Chlordane (Technical)	ND		ug/L	1.0	0.95	396470	02/26/26	03/02/26	XLY
Surrogates				**Limits**					
TCMX	69%		%REC	29-120	0.95	396470	02/26/26	03/02/26	XLY
Decachlorobiphenyl	81%		%REC	33-132	0.95	396470	02/26/26	03/02/26	XLY

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554200

554200-056 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3510C									
Aroclor-1016	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1221	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1232	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1242	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1248	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1254	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1260	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1262	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Aroclor-1268	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Total PCBs	ND		ug/L	0.48	0.95	396470	02/26/26	03/02/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	83%		%REC	28-138	0.95	396470	02/26/26	03/02/26	XLY

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1344575	Batch: 396473
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344575 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	02/26/26	02/27/26

Type: Lab Control Sample	Lab ID: QC1344576	Batch: 396473
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344576 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	112.7	100.0	mg/Kg	113%		80-120

Type: Matrix Spike	Lab ID: QC1344577	Batch: 396473
Matrix (Source ID): Soil (554188-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344577 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	109.3	6.038	97.09	mg/Kg	106%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1344578	Batch: 396473
Matrix (Source ID): Soil (554188-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344578 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	105.6	6.038	97.09	mg/Kg	103%		75-125	3	28	0.97

Type: Post Digest Spike	Lab ID: QC1344579	Batch: 396473
Matrix (Source ID): Soil (554188-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344579 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	193.0	6.038	190.5	mg/Kg	98%		75-125	0.95

Type: Serial Dilution	Lab ID: QC1344916	Batch: 396473
Matrix (Source ID): Soil (554188-002)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1344916 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	6.192	6.038	mg/Kg				4.8

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1344741**	**Batch: 396527**
Matrix: Water	**Method: EPA 6020**	**Prep Method: EPA 3015A**

QC1344741 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		ug/L	2.0	02/26/26	02/26/26
Arsenic	ND		ug/L	2.0	02/26/26	02/26/26
Barium	ND		ug/L	5.0	02/26/26	02/26/26
Cadmium	ND		ug/L	1.0	02/26/26	02/26/26
Chromium	ND		ug/L	5.0	02/26/26	02/26/26
Cobalt	ND		ug/L	1.0	02/26/26	02/26/26
Copper	ND		ug/L	3.0	02/26/26	02/26/26
Lead	ND		ug/L	5.0	02/26/26	02/26/26
Molybdenum	ND		ug/L	5.0	02/26/26	02/26/26
Nickel	ND		ug/L	5.0	02/26/26	02/26/26
Selenium	ND		ug/L	2.0	02/26/26	02/26/26
Silver	ND		ug/L	5.0	02/26/26	02/26/26
Thallium	ND		ug/L	1.0	02/26/26	02/26/26
Vanadium	ND		ug/L	5.0	02/26/26	02/26/26
Zinc	ND		ug/L	10	02/26/26	02/26/26

Type: Lab Control Sample	**Lab ID: QC1344742**	**Batch: 396527**
Matrix: Water	**Method: EPA 6020**	**Prep Method: EPA 3015A**

QC1344742 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	110.9	100.0	ug/L	111%		80-120
Arsenic	99.22	100.0	ug/L	99%		80-120
Barium	98.22	100.0	ug/L	98%		80-120
Beryllium	97.02	100.0	ug/L	97%		80-120
Cadmium	98.76	100.0	ug/L	99%		80-120
Chromium	100.1	100.0	ug/L	100%		80-120
Cobalt	101.7	100.0	ug/L	102%		80-120
Copper	102.2	100.0	ug/L	102%		80-120
Lead	92.53	100.0	ug/L	93%		80-120
Molybdenum	92.57	100.0	ug/L	93%		80-120
Nickel	101.2	100.0	ug/L	101%		80-120
Selenium	98.12	100.0	ug/L	98%		80-120
Silver	48.65	50.00	ug/L	97%		80-120
Thallium	92.85	100.0	ug/L	93%		80-120
Vanadium	100.4	100.0	ug/L	100%		80-120
Zinc	100.1	100.0	ug/L	100%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1344743	Batch:	396527
Matrix (Source ID):	Filtrate (554158-007)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1344743 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	111.6	ND	100.0	ug/L	112%		75-125	5
Arsenic	102.0	2.745	100.0	ug/L	99%		75-125	5
Barium	143.1	47.78	100.0	ug/L	95%		75-125	5
Cadmium	96.83	ND	100.0	ug/L	97%		75-125	5
Chromium	105.7	4.042	100.0	ug/L	102%		75-125	5
Cobalt	101.9	ND	100.0	ug/L	102%		75-125	5
Copper	103.4	ND	100.0	ug/L	103%		75-125	5
Lead	98.55	ND	100.0	ug/L	99%		75-125	5
Molybdenum	98.65	4.000	100.0	ug/L	95%		75-125	5
Nickel	102.6	ND	100.0	ug/L	103%		75-125	5
Selenium	96.43	ND	100.0	ug/L	96%		75-125	5
Silver	48.73	ND	50.00	ug/L	97%		75-125	5
Thallium	99.64	ND	100.0	ug/L	100%		75-125	5
Vanadium	102.3	ND	100.0	ug/L	102%		75-125	5
Zinc	570.2	485.0	100.0	ug/L	85%	NM	75-125	5

Type:	Matrix Spike Duplicate	Lab ID:	QC1344744	Batch:	396527
Matrix (Source ID):	Filtrate (554158-007)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1344744 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	122.8	ND	100.0	ug/L	123%		75-125	10	20	5
Arsenic	99.91	2.745	100.0	ug/L	97%		75-125	2	20	5
Barium	162.1	47.78	100.0	ug/L	114%		75-125	12	20	5
Cadmium	108.6	ND	100.0	ug/L	109%		75-125	11	20	5
Chromium	101.1	4.042	100.0	ug/L	97%		75-125	5	20	5
Cobalt	97.23	ND	100.0	ug/L	97%		75-125	5	20	5
Copper	100.7	ND	100.0	ug/L	101%		75-125	3	20	5
Lead	109.6	ND	100.0	ug/L	110%		75-125	11	20	5
Molybdenum	107.1	4.000	100.0	ug/L	103%		75-125	8	20	5
Nickel	97.81	ND	100.0	ug/L	98%		75-125	5	20	5
Selenium	105.0	ND	100.0	ug/L	105%		75-125	9	21	5
Silver	52.90	ND	50.00	ug/L	106%		75-125	8	25	5
Thallium	108.9	ND	100.0	ug/L	109%		75-125	9	20	5
Vanadium	99.20	ND	100.0	ug/L	99%		75-125	3	20	5
Zinc	573.3	485.0	100.0	ug/L	88%	NM	75-125	1	20	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1344641**	**Batch:**	**396488**
Matrix:	**Soil**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1344641 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	1.0	02/26/26	02/26/26
Arsenic	ND		mg/Kg	1.0	02/26/26	02/26/26
Barium	ND		mg/Kg	1.0	02/26/26	02/26/26
Beryllium	ND		mg/Kg	1.0	02/26/26	02/26/26
Cadmium	ND		mg/Kg	0.50	02/26/26	02/26/26
Chromium	ND		mg/Kg	2.0	02/26/26	02/26/26
Cobalt	ND		mg/Kg	1.0	02/26/26	02/26/26
Copper	ND		mg/Kg	2.0	02/26/26	02/26/26
Lead	ND		mg/Kg	1.0	02/26/26	02/26/26
Molybdenum	ND		mg/Kg	1.0	02/26/26	02/26/26
Nickel	ND		mg/Kg	2.0	02/26/26	02/26/26
Selenium	ND		mg/Kg	4.0	02/26/26	02/26/26
Silver	ND		mg/Kg	1.0	02/26/26	02/26/26
Thallium	ND		mg/Kg	1.0	02/26/26	02/26/26
Vanadium	ND		mg/Kg	2.0	02/26/26	02/26/26
Zinc	ND		mg/Kg	10	02/26/26	02/26/26

Type:	**Lab Control Sample**	**Lab ID:**	**QC1344642**	**Batch:**	**396488**
Matrix:	**Soil**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1344642 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	110.4	100.0	mg/Kg	110%	b	80-120
Arsenic	102.2	100.0	mg/Kg	102%		80-120
Barium	100.4	100.0	mg/Kg	100%		80-120
Beryllium	93.14	100.0	mg/Kg	93%		80-120
Cadmium	100.8	100.0	mg/Kg	101%		80-120
Chromium	103.9	100.0	mg/Kg	104%		80-120
Cobalt	105.8	100.0	mg/Kg	106%		80-120
Copper	107.1	100.0	mg/Kg	107%		80-120
Lead	102.8	100.0	mg/Kg	103%		80-120
Molybdenum	97.72	100.0	mg/Kg	98%		80-120
Nickel	106.6	100.0	mg/Kg	107%		80-120
Selenium	99.94	100.0	mg/Kg	100%		80-120
Silver	50.01	50.00	mg/Kg	100%		80-120
Thallium	102.1	100.0	mg/Kg	102%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	103.8	100.0	mg/Kg	104%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1344643	Batch:	396488
Matrix (Source ID):	Soil (554200-004)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1344643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	31.64	0.7096	98.04	mg/Kg	32%	b,*	75-125	0.98
Arsenic	105.1	11.37	98.04	mg/Kg	96%		75-125	0.98
Barium	235.7	147.0	98.04	mg/Kg	91%		75-125	0.98
Beryllium	104.2	1.016	98.04	mg/Kg	105%		75-125	0.98
Cadmium	102.1	0.6921	98.04	mg/Kg	103%		75-125	0.98
Chromium	119.2	25.32	98.04	mg/Kg	96%		75-125	0.98
Cobalt	107.6	12.37	98.04	mg/Kg	97%		75-125	0.98
Copper	122.4	26.93	98.04	mg/Kg	97%		75-125	0.98
Lead	109.1	11.26	98.04	mg/Kg	100%		75-125	0.98
Molybdenum	84.34	2.709	98.04	mg/Kg	83%		75-125	0.98
Nickel	115.3	18.52	98.04	mg/Kg	99%		75-125	0.98
Selenium	99.24	3.039	98.04	mg/Kg	98%		75-125	0.98
Silver	49.65	ND	49.02	mg/Kg	101%		75-125	0.98
Thallium	96.35	0.7436	98.04	mg/Kg	98%		75-125	0.98
Vanadium	140.5	48.15	98.04	mg/Kg	94%		75-125	0.98
Zinc	163.1	68.94	98.04	mg/Kg	96%		75-125	0.98

Type:	Matrix Spike Duplicate	Lab ID:	QC1344644	Batch:	396488
Matrix (Source ID):	Soil (554200-004)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1344644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	34.37	0.7096	100.0	mg/Kg	34%	b,*	75-125	6	28	1
Arsenic	106.4	11.37	100.0	mg/Kg	95%		75-125	1	22	1
Barium	238.7	147.0	100.0	mg/Kg	92%		75-125	0	26	1
Beryllium	106.3	1.016	100.0	mg/Kg	105%		75-125	0	20	1
Cadmium	97.87	0.6921	100.0	mg/Kg	97%		75-125	6	20	1
Chromium	125.5	25.32	100.0	mg/Kg	100%		75-125	4	20	1
Cobalt	115.0	12.37	100.0	mg/Kg	103%		75-125	5	20	1
Copper	127.8	26.93	100.0	mg/Kg	101%		75-125	3	28	1
Lead	105.6	11.26	100.0	mg/Kg	94%		75-125	5	25	1
Molybdenum	86.54	2.709	100.0	mg/Kg	84%		75-125	1	20	1
Nickel	120.1	18.52	100.0	mg/Kg	102%		75-125	2	20	1
Selenium	99.68	3.039	100.0	mg/Kg	97%		75-125	1	20	1
Silver	48.02	ND	50.00	mg/Kg	96%		75-125	5	20	1
Thallium	93.03	0.7436	100.0	mg/Kg	92%		75-125	5	20	1
Vanadium	148.9	48.15	100.0	mg/Kg	101%		75-125	4	20	1
Zinc	160.0	68.94	100.0	mg/Kg	91%		75-125	3	22	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Post Digest Spike	Lab ID:	QC1344645	Batch:	396488
Matrix (Source ID):	Soil (554200-004)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1344645 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	109.9	0.7096	98.04	mg/Kg	111%	b	75-125	0.98
Arsenic	110.7	11.37	98.04	mg/Kg	101%		75-125	0.98
Barium	242.6	147.0	98.04	mg/Kg	98%		75-125	0.98
Beryllium	104.6	1.016	98.04	mg/Kg	106%		75-125	0.98
Cadmium	98.92	0.6921	98.04	mg/Kg	100%		75-125	0.98
Chromium	123.7	25.32	98.04	mg/Kg	100%		75-125	0.98
Cobalt	113.6	12.37	98.04	mg/Kg	103%		75-125	0.98
Copper	128.9	26.93	98.04	mg/Kg	104%		75-125	0.98
Lead	111.6	11.26	98.04	mg/Kg	102%		75-125	0.98
Molybdenum	100.3	2.709	98.04	mg/Kg	100%		75-125	0.98
Nickel	120.2	18.52	98.04	mg/Kg	104%		75-125	0.98
Selenium	98.79	3.039	98.04	mg/Kg	98%		75-125	0.98
Silver	48.48	ND	49.02	mg/Kg	99%		75-125	0.98
Thallium	101.0	0.7436	98.04	mg/Kg	102%		75-125	0.98
Vanadium	145.9	48.15	98.04	mg/Kg	100%		75-125	0.98
Zinc	158.4	68.94	98.04	mg/Kg	91%		75-125	0.98

Type:	Serial Dilution	Lab ID:	QC1344812	Batch:	396488
Matrix (Source ID):	Soil (554200-004)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1344812 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	0.7096	mg/Kg				4.9
Arsenic	10.61	11.37	mg/Kg				4.9
Barium	149.3	147.0	mg/Kg				4.9
Beryllium	1.484	1.016	mg/Kg	J			4.9
Cadmium	1.146	0.6921	mg/Kg	J			4.9
Chromium	23.80	25.32	mg/Kg				4.9
Cobalt	11.46	12.37	mg/Kg				4.9
Copper	25.92	26.93	mg/Kg				4.9
Lead	11.77	11.26	mg/Kg				4.9
Molybdenum	3.374	2.709	mg/Kg	J			4.9
Nickel	17.72	18.52	mg/Kg				4.9
Selenium	ND	3.039	mg/Kg				4.9
Silver	ND	ND	mg/Kg				4.9
Thallium	1.273	0.7436	mg/Kg	J			4.9
Vanadium	45.25	48.15	mg/Kg				4.9
Zinc	63.44	68.94	mg/Kg				4.9

Type:	Blank	Lab ID:	QC1344601	Batch:	396478
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1344601 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	02/26/26	02/26/26

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1344603	Batch:	396478
Matrix:	Filtrate	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1344603 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.028	5.000	ug/L	101%		80-120

Type:	Matrix Spike	Lab ID:	QC1344604	Batch:	396478
Matrix (Source ID):	Water (554322-001)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1344604 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1,038	ND	1000	ug/L	104%		75-125	200

Type:	Matrix Spike Duplicate	Lab ID:	QC1344605	Batch:	396478
Matrix (Source ID):	Water (554322-001)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1344605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1,042	ND	1000	ug/L	104%		75-125	0	20	200

Type:	Blank	Lab ID:	QC1344646	Batch:	396490
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1344646 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	02/26/26	02/26/26

Type:	Lab Control Sample	Lab ID:	QC1344647	Batch:	396490
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1344647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8396	0.8333	mg/Kg	101%		80-120

Type:	Matrix Spike	Lab ID:	QC1344648	Batch:	396490
Matrix (Source ID):	Miscell. (554325-001)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1344648 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8078	ND	0.9804	mg/Kg	82%		75-125	1.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1344649	Batch:	396490
Matrix (Source ID):	Miscell. (554325-001)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1344649 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.6805	ND	0.8475	mg/Kg	80%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1345945**	**Batch:**	**396891**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345945 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	03/03/26	03/03/26
beta-BHC	ND		ug/Kg	5.0	03/03/26	03/03/26
gamma-BHC	ND		ug/Kg	5.0	03/03/26	03/03/26
delta-BHC	ND		ug/Kg	5.0	03/03/26	03/03/26
Heptachlor	ND		ug/Kg	5.0	03/03/26	03/03/26
Aldrin	ND		ug/Kg	5.0	03/03/26	03/03/26
Heptachlor epoxide	ND		ug/Kg	5.0	03/03/26	03/03/26
Endosulfan I	ND		ug/Kg	5.0	03/03/26	03/03/26
Dieldrin	ND		ug/Kg	5.0	03/03/26	03/03/26
4,4'-DDE	ND		ug/Kg	5.0	03/03/26	03/03/26
Endrin	ND		ug/Kg	5.0	03/03/26	03/03/26
Endosulfan II	ND		ug/Kg	5.0	03/03/26	03/03/26
Endosulfan sulfate	ND		ug/Kg	5.0	03/03/26	03/03/26
4,4'-DDD	ND		ug/Kg	5.0	03/03/26	03/03/26
Endrin aldehyde	ND		ug/Kg	5.0	03/03/26	03/03/26
Endrin ketone	ND		ug/Kg	5.0	03/03/26	03/03/26
4,4'-DDT	ND		ug/Kg	5.0	03/03/26	03/03/26
Methoxychlor	ND		ug/Kg	9.9	03/03/26	03/03/26
Toxaphene	ND		ug/Kg	99	03/03/26	03/03/26
Chlordane (Technical)	ND		ug/Kg	50	03/03/26	03/03/26
Surrogates				**Limits**		
TCMX	81%		%REC	58-120	03/03/26	03/03/26
Decachlorobiphenyl	69%		%REC	47-120	03/03/26	03/03/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1345946**	**Batch: 396891**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1345946 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	40.13	50.51	ug/Kg	79%		53-132
beta-BHC	41.18	50.51	ug/Kg	82%		59-131
gamma-BHC	41.56	50.51	ug/Kg	82%		54-132
delta-BHC	39.41	50.51	ug/Kg	78%		54-134
Heptachlor	40.14	50.51	ug/Kg	79%		50-130
Aldrin	33.43	50.51	ug/Kg	66%		46-120
Heptachlor epoxide	36.36	50.51	ug/Kg	72%		52-127
Endosulfan I	35.20	50.51	ug/Kg	70%		53-132
Dieldrin	36.67	50.51	ug/Kg	73%		53-134
4,4'-DDE	38.39	50.51	ug/Kg	76%		53-140
Endrin	44.67	50.51	ug/Kg	88%		53-142
Endosulfan II	37.49	50.51	ug/Kg	74%		53-138
Endosulfan sulfate	36.98	50.51	ug/Kg	73%		50-134
4,4'-DDD	34.86	50.51	ug/Kg	69%		50-136
Endrin aldehyde	31.66	50.51	ug/Kg	63%		15-120
Endrin ketone	39.54	50.51	ug/Kg	78%		50-146
4,4'-DDT	41.43	50.51	ug/Kg	82%		46-142
Methoxychlor	49.30	50.51	ug/Kg	98%		48-156
Surrogates						
TCMX	40.01	50.51	ug/Kg	79%		58-120
Decachlorobiphenyl	34.79	50.51	ug/Kg	69%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1345947**	**Batch:**	**396891**
Matrix (Source ID):	**Soil (554200-054)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345947 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.23	ND	50.40	ug/Kg	72%		52-120	1
beta-BHC	39.20	ND	50.40	ug/Kg	78%		57-126	1
gamma-BHC	37.44	ND	50.40	ug/Kg	74%		54-122	1
delta-BHC	36.07	ND	50.40	ug/Kg	72%		44-127	1
Heptachlor	38.13	ND	50.40	ug/Kg	76%		51-122	1
Aldrin	32.98	ND	50.40	ug/Kg	65%		51-120	1
Heptachlor epoxide	33.75	ND	50.40	ug/Kg	67%		50-122	1
Endosulfan I	32.78	ND	50.40	ug/Kg	65%		48-123	1
Dieldrin	35.20	ND	50.40	ug/Kg	70%		48-128	1
4,4'-DDE	37.93	ND	50.40	ug/Kg	75%		50-139	1
Endrin	42.30	ND	50.40	ug/Kg	84%		53-132	1
Endosulfan II	34.24	ND	50.40	ug/Kg	68%		47-131	1
Endosulfan sulfate	33.46	ND	50.40	ug/Kg	66%		40-126	1
4,4'-DDD	32.02	ND	50.40	ug/Kg	64%		48-130	1
Endrin aldehyde	27.14	ND	50.40	ug/Kg	54%		26-120	1
Endrin ketone	34.62	ND	50.40	ug/Kg	69%		51-133	1
4,4'-DDT	41.93	2.693	50.40	ug/Kg	78%		40-144	1
Methoxychlor	48.17	ND	50.40	ug/Kg	96%		49-148	1
Surrogates								
TCMX	35.95		50.40	ug/Kg	71%		58-120	1
Decachlorobiphenyl	34.36		50.40	ug/Kg	68%		47-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1345948**	**Batch:**	**396891**
Matrix (Source ID):	**Soil (554200-054)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1345948 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	35.09	ND	49.65	ug/Kg	71%		52-120	2	37	0.99
beta-BHC	38.01	ND	49.65	ug/Kg	77%		57-126	2	38	0.99
gamma-BHC	36.52	ND	49.65	ug/Kg	74%		54-122	1	39	0.99
delta-BHC	34.72	ND	49.65	ug/Kg	70%		44-127	2	54	0.99
Heptachlor	36.68	ND	49.65	ug/Kg	74%		51-122	2	44	0.99
Aldrin	31.79	ND	49.65	ug/Kg	64%		51-120	2	39	0.99
Heptachlor epoxide	31.86	ND	49.65	ug/Kg	64%		50-122	4	39	0.99
Endosulfan I	31.18	ND	49.65	ug/Kg	63%		48-123	4	47	0.99
Dieldrin	32.77	ND	49.65	ug/Kg	66%		48-128	6	43	0.99
4,4'-DDE	36.11	ND	49.65	ug/Kg	73%		50-139	3	42	0.99
Endrin	41.94	ND	49.65	ug/Kg	84%		53-132	1	45	0.99
Endosulfan II	30.98	ND	49.65	ug/Kg	62%		47-131	8	46	0.99
Endosulfan sulfate	30.04	ND	49.65	ug/Kg	61%		40-126	9	52	0.99
4,4'-DDD	28.75	ND	49.65	ug/Kg	58%		48-130	9	46	0.99
Endrin aldehyde	23.50	ND	49.65	ug/Kg	47%		26-120	13	57	0.99
Endrin ketone	28.81	ND	49.65	ug/Kg	58%		51-133	17	43	0.99
4,4'-DDT	37.11	2.693	49.65	ug/Kg	69%		40-144	11	56	0.99
Methoxychlor	42.11	ND	49.65	ug/Kg	85%		49-148	12	53	0.99
Surrogates										
TCMX	35.37		49.65	ug/Kg	71%		58-120			0.99
Decachlorobiphenyl	31.15		49.65	ug/Kg	63%		47-120			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1344563	Batch: 396470
Matrix: Water		

QC1344563 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C						
alpha-BHC	ND		ug/L	0.05	02/26/26	02/27/26
beta-BHC	ND		ug/L	0.05	02/26/26	02/27/26
gamma-BHC	ND		ug/L	0.05	02/26/26	02/27/26
delta-BHC	ND		ug/L	0.05	02/26/26	02/27/26
Heptachlor	ND		ug/L	0.05	02/26/26	02/27/26
Aldrin	ND		ug/L	0.05	02/26/26	02/27/26
Heptachlor epoxide	ND		ug/L	0.05	02/26/26	02/27/26
Endosulfan I	ND		ug/L	0.05	02/26/26	02/27/26
Dieldrin	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDE	ND		ug/L	0.1	02/26/26	02/27/26
Endrin	ND		ug/L	0.1	02/26/26	02/27/26
Endosulfan II	ND		ug/L	0.1	02/26/26	02/27/26
Endosulfan sulfate	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDD	ND		ug/L	0.1	02/26/26	02/27/26
Endrin aldehyde	ND		ug/L	0.1	02/26/26	02/27/26
Endrin ketone	ND		ug/L	0.1	02/26/26	02/27/26
4,4'-DDT	ND		ug/L	0.1	02/26/26	02/27/26
Methoxychlor	ND		ug/L	0.1	02/26/26	02/27/26
Toxaphene	ND		ug/L	2.0	02/26/26	02/27/26
Chlordane (Technical)	ND		ug/L	1.0	02/26/26	02/27/26
Surrogates				**Limits**		
TCMX	67%		%REC	29-120	02/26/26	02/27/26
Decachlorobiphenyl	75%		%REC	33-132	02/26/26	02/27/26
Method: EPA 8082 Prep Method: EPA 3510C						
Aroclor-1016	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1221	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1232	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1242	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1248	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1254	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1260	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1262	ND		ug/L	0.50	02/26/26	02/27/26
Aroclor-1268	ND		ug/L	0.50	02/26/26	02/27/26
Total PCBs	ND		ug/L	0.50	02/26/26	02/27/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	73%		%REC	28-138	02/26/26	02/27/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1344564	**Batch:** 396470
Matrix: Water	**Method:** EPA 8081A	**Prep Method:** EPA 3510C

QC1344564 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5436	0.5000	ug/L	109%		66-121
beta-BHC	0.5432	0.5000	ug/L	109%		73-120
gamma-BHC	0.5631	0.5000	ug/L	113%		68-125
delta-BHC	0.5879	0.5000	ug/L	118%		68-131
Heptachlor	0.5154	0.5000	ug/L	103%		63-120
Aldrin	0.4747	0.5000	ug/L	95%		56-120
Heptachlor epoxide	0.4986	0.5000	ug/L	100%		65-120
Endosulfan I	0.6161	0.5000	ug/L	123%		68-124
Dieldrin	0.5104	0.5000	ug/L	102%		66-124
4,4'-DDE	0.5421	0.5000	ug/L	108%		67-131
Endrin	0.5661	0.5000	ug/L	113%		68-135
Endosulfan II	0.5324	0.5000	ug/L	106%		71-130
Endosulfan sulfate	0.5835	0.5000	ug/L	117%		68-128
4,4'-DDD	0.5131	0.5000	ug/L	103%		65-130
Endrin aldehyde	0.5292	0.5000	ug/L	106%		67-124
Endrin ketone	0.6862	0.5000	ug/L	137%		69-137
4,4'-DDT	0.5537	0.5000	ug/L	111%		65-136
Methoxychlor	0.6060	0.5000	ug/L	121%		69-150
Surrogates						
TCMX	0.4381	0.5000	ug/L	88%		29-120
Decachlorobiphenyl	0.4441	0.5000	ug/L	89%		33-132

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1344565	Batch:	396470
Matrix:	Water	Method:	EPA 8081A	Prep Method:	EPA 3510C

QC1344565 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4928	0.5000	ug/L	99%		66-121	10	20
beta-BHC	0.4780	0.5000	ug/L	96%		73-120	13	20
gamma-BHC	0.5052	0.5000	ug/L	101%		68-125	11	20
delta-BHC	0.5157	0.5000	ug/L	103%		68-131	13	20
Heptachlor	0.4629	0.5000	ug/L	93%		63-120	11	24
Aldrin	0.4272	0.5000	ug/L	85%		56-120	11	30
Heptachlor epoxide	0.4382	0.5000	ug/L	88%		65-120	13	20
Endosulfan I	0.5440	0.5000	ug/L	109%		68-124	12	20
Dieldrin	0.4408	0.5000	ug/L	88%		66-124	15	22
4,4'-DDE	0.4662	0.5000	ug/L	93%		67-131	15	21
Endrin	0.4814	0.5000	ug/L	96%		68-135	16	20
Endosulfan II	0.4466	0.5000	ug/L	89%		71-130	18	21
Endosulfan sulfate	0.4982	0.5000	ug/L	100%		68-128	16	21
4,4'-DDD	0.4417	0.5000	ug/L	88%		65-130	15	22
Endrin aldehyde	0.4476	0.5000	ug/L	90%		67-124	17	20
Endrin ketone	0.5804	0.5000	ug/L	116%		69-137	17	21
4,4'-DDT	0.4719	0.5000	ug/L	94%		65-136	16	23
Methoxychlor	0.5065	0.5000	ug/L	101%		69-150	18	23
Surrogates								
TCMX	0.3935	0.5000	ug/L	79%		29-120		
Decachlorobiphenyl	0.3745	0.5000	ug/L	75%		33-132		

Type:	Lab Control Sample	Lab ID:	QC1344566	Batch:	396470
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1344566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.688	5.000	ug/L	94%		69-120
Aroclor-1260	4.105	5.000	ug/L	82%		72-124
Surrogates						
Decachlorobiphenyl (PCB)	0.3570	0.5000	ug/L	71%		28-138

Type:	Lab Control Sample Duplicate	Lab ID:	QC1344567	Batch:	396470
Matrix:	Water	Method:	EPA 8082	Prep Method:	EPA 3510C

QC1344567 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.710	5.000	ug/L	94%		69-120	0	22
Aroclor-1260	4.091	5.000	ug/L	82%		72-124	0	25
Surrogates								
Decachlorobiphenyl (PCB)	0.3588	0.5000	ug/L	72%		28-138		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1345778	Batch: 396845
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1345778 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1221	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1232	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1242	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1248	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1254	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1260	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1262	ND		ug/Kg	50	03/02/26	03/03/26
Aroclor-1268	ND		ug/Kg	50	03/02/26	03/03/26
Total PCBs	ND		ug/Kg	50	03/02/26	03/03/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	100%		%REC	50-127	03/02/26	03/03/26

Type: Lab Control Sample	Lab ID: QC1345779	Batch: 396845
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1345779 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	405.7	496.5	ug/Kg	82%		66-120
Aroclor-1260	476.9	496.5	ug/Kg	96%		63-126
Surrogates						
Decachlorobiphenyl (PCB)	45.32	49.65	ug/Kg	91%		50-127

Type: Matrix Spike	Lab ID: QC1345780	Batch: 396845
Matrix (Source ID): Soil (554200-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1345780 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	433.3	ND	503.5	ug/Kg	86%		60-123	1
Aroclor-1260	454.4	ND	503.5	ug/Kg	90%		55-136	1
Surrogates								
Decachlorobiphenyl (PCB)	44.12		50.35	ug/Kg	88%		50-127	1

Type: Matrix Spike Duplicate	Lab ID: QC1345781	Batch: 396845
Matrix (Source ID): Soil (554200-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1345781 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	479.8	ND	507.1	ug/Kg	95%		60-123	9	37	1
Aroclor-1260	517.4	ND	507.1	ug/Kg	102%		55-136	12	41	1
Surrogates										
Decachlorobiphenyl (PCB)	49.32		50.71	ug/Kg	97%		50-127			1

Batch QC

*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 554200

Subcontracted Products

AmeriSci Los Angeles

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 11, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126031108
P.O. #099389
EO-554200

Dear Patty Mata:

Enclosed are the results of Asbestos Analysis - Bulk Qualitative Protocol of the following Enthalpy Analytical samples, received at AmeriSci on Tuesday, March 3, 2026, for a 5 day turnaround:

CG-49-0.5, CG-49-2.5, CG-49-0.5-DUP, CG-49-2.5-DUP, CG-50-0.5, CG-50-2.5, CG-51-0.5, CG-51-2.5, CG-56-2.5, CG-56-0.5, CG-57-0.5, CG-57-2.5

The 12 samples, placed in plastic bottle, were shipped to AmeriSci via Fed Ex 717839739874. Enthalpy Analytical requested Bulk-Qualitative analysis of these samples.

The samples were prepared and analyzed by using a Standard Operating Procedure developed by AmeriSci, Inc.. After preparation, using non-quantitative matrix reduction if necessary, the presence or absence of asbestos is determined by PLM and/or TEM as indicated on the attached summary table. Quantification after the fact is not possible without a new preparation. This report relates ONLY to the analysis expressed as "asbestos present" or "no asbestos visible". This report must not be used to claim product endorsement or approval by AmeriSci, NVLAP, ELAP or any other associated AmeriSci certifying agency. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Glenn F. Massey

QA Manager | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave

Orange, CA 92868

Date Received 3/3/2026
Date Examined 03/05/26

RE: EO-554200

AmeriSci Job # 126031108
P.O. # 099389

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-49-0.5	126031108-01	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present
Comment: All samples placed in Drying Oven 4 hours.

CG-49-2.5	126031108-02	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown , Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-49-0.5-DUP	126031108-03	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-49-2.5-DUP	126031108-04	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-50-0.5	126031108-05	***Yes***	qualitative by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark, Homogeneous, Non-Fibrous, Soil
Asbestos Types: Chrysotile Present
Other Material: Non-fibrous Present

See Reporting notes on last page

PLM Bulk Asbestos Report

EO-554200

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-50-2.5	126031108-06	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-51-0.5	126031108-07	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-51-2.5	126031108-08	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-56-2.5	126031108-09	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-56-0.5	126031108-10	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Animal hair Present, Non-fibrous Present

CG-57-0.5	126031108-11	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Cellulose Present, Non-fibrous Present

CG-57-2.5	126031108-12	***No***	NVA by C. David Mintz on 03/05/26	*1*

Location:
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

Comment: All samples placed in Drying Oven 4 hours.

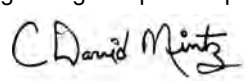
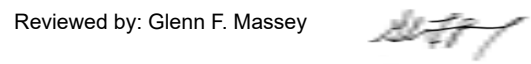
See Reporting notes on last page

PLM Bulk Asbestos Report

EO-554200

Reporting Notes:

(1) Sample homogenized by grinding to a powder prior to analysis.

Analyzed by: C. David Mintz  Reviewed by: Glenn F. Massey 

Date: 3/5/2026

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #210972, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Subject: 003EL_AP Re: [External] - 003EL_AP AmeriSci Report/Invoice 126031109; EO-554200;
From: Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Date: 3/10/2026, 12:39 PM
To: "varesults@amerisci.com" <varesults@amerisci.com>, Patricia Mata <patty.mata@enthalpy.com>, zzForwarder_003EL_AP <003el_ap@montrose-env.com>

Hello,
Please refence PO-099389 on the invoice.

126031108

Thank you,
Jocelyn Nguyen
Project Manager Assistant
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 X 10315
JocelynNguyen@enthalpy.com |enthalpy.com
Terms and Conditions

From: varesults@amerisci.com <varesults@amerisci.com>
Sent: Tuesday, March 10, 2026 8:20 AM
To: Patricia Mata <patty.mata@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>; alabs-incomingreports@montrose-env.com <alabs-incomingreports@montrose-env.com>; zzForwarder_003EL_AP <003el_ap@montrose-env.com>
Cc: varesults@amerisci.com <varesults@amerisci.com>
Subject: [External] - 003EL_AP AmeriSci Report/Invoice 126031109; EO-554200;

Thank you from AmeriSci.

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126031108

ENTHALPY
ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554200
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-49-0.5	24-FEB-2026 00:00	554200-032	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5	24-FEB-2026 00:00	554200-033	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-0.5-DUP	24-FEB-2026 00:00	554200-034	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5-DUP	24-FEB-2026 00:00	554200-035	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-0.5	24-FEB-2026 00:00	554200-036	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-2.5	24-FEB-2026 00:00	554200-037	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-0.5	24-FEB-2026 00:00	554200-038	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-2.5	24-FEB-2026 00:00	554200-039	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-2.5	24-FEB-2026 00:00	554200-052	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-0.5	24-FEB-2026 00:00	554200-053	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-0.5	24-FEB-2026 00:00	554200-054	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-2.5	24-FEB-2026 00:00	554200-055	1	Soil	Asbestos by PLM	PLM qualitative
EB-01-260224	24-FEB-2026 14:50	554200-056	1	Water	Asbestos	Non-potable water TEM

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERO
	Date: 2/27/26 1500	Date: 2/27/26 @ 1500
	M. RIVERO	
	Date: 3/02/26 @ 0800	Date:
	Date:	Date:

Received
MAR 03 2026
ALC

126031108

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554200
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-49-0.5	24-FEB-2026 00:00	554200-032	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5	24-FEB-2026 00:00	554200-033	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-0.5-DUP	24-FEB-2026 00:00	554200-034	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5-DUP	24-FEB-2026 00:00	554200-035	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-0.5	24-FEB-2026 00:00	554200-036	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-2.5	24-FEB-2026 00:00	554200-037	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-0.5	24-FEB-2026 00:00	554200-038	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-2.5	24-FEB-2026 00:00	554200-039	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-2.5	24-FEB-2026 00:00	554200-052	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-0.5	24-FEB-2026 00:00	554200-053	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-0.5	24-FEB-2026 00:00	554200-054	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-2.5	24-FEB-2026 00:00	554200-055	1	Soil	Asbestos by PLM	PLM qualitative
EB-01-260224	24-FEB-2026 14:50	554200-056	1	Water	Asbestos	Non-potable water TEM

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERO
	Date: 2/27/26 1500	Date: 2/27/26 @ 1500
	M. RIVERO	
	Date: 3/02/26 @ 0800	Date:
	Date:	Date:

Received
MAR 03 2026

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 10, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126031109
P.O. #EO-554200
EO-554200

Dear Patty Mata:

Enclosed are the results for TEM asbestos analysis of the following Enthalpy Analytical samples received at AmeriSci on Tuesday, March 3, 2026, for a 5 day turnaround:

EB-01-260224

The 1 samples were filtered and prepared according to Water analysis under the EPA-600/4-83-043 "Analytical Method for Determination of Asbestos Fibers in Water" (1983). Samples with high organic content may be prepared following EPA-600/4-80-005 if necessary and are so noted on the TEM count sheets. AmeriSci, Inc. uses the "Grid Square" method of counting and the concentration is calculated in millions of fibers per liter (MFL).

Table I represents a summary of all pertinent information used for the calculations. Included are the size of each structure counted, concentration, structure concentration greater than 10 microns in length, type of asbestiform material detected and the analytical sensitivity, which represents the concentration by the detection of one fiber in the TEM fiber count. Copies of the Fiber Count Sheets, show the raw data for examination. These data sheets contain information for fiber length/width, fiber type, structure morphology and pertinent information on EDS, SAED and photography.

This report relates ONLY to the sample analysis expressed as millions of fibers per liter (MFL). AmeriSci assumes no responsibility for customer supplied data such as “sample location” or “the condition of the water sample before arriving at AmeriSci”. This report must not be used to claim product endorsement by AmeriSci, NVLAP, ELAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AmeriSci Job #: **126031109**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

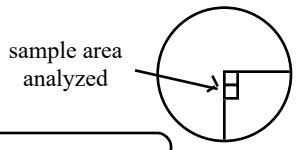
EO-554200

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	EB-01-260224	0.01	21.3	NSD	NSD	0.22	<0.22	<0.22	----

* NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter; Drinking Water accreditations do not cover waste water analysis. NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1). Fiber criteria (>=0.5 microns, for 100.1; >10 microns for 100.2; 5:1 aspect ratio for both), organic rich waste water prepped by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Sample temperatures reported above were measured upon receipt. Water samples are refrigerated upon receipt and filtered within four hours.

Reviewed By: _____ Analyzed By: Cory M. Parnell _____ Date: 3/10/2026

TEM Asbestos (Water) Count Sheet



Client Name:	Enthalpy Analytical		
Job #:	126031109	Volume (liters):	0.01
Lab Sample #:	01	Filter Type / Filter Area:	MCE 214 mm2
Client Sample #:	EB-01-260224	Grid Opening Size:	0.00967
Received:	3/3/2026 12:00:00	Area Examined:	0.09670 mm2
Date Analyzed:	3/10/2026	Magnification:	20,000
Temp:	21.3	Accelerating Voltage:	100 KeV

Analysis Performed by: Cory M. Parnell

Location	Grid Opening	Fiber	Length µM	Width µM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D2-C2	1	NSD							☐	
D2-C4	2	NSD							☐	
D2-C6	3	NSD							☐	
D2-C8	4	NSD							☐	
D2-C10	5	NSD							☐	
D1-G2	6	NSD							☐	
D1-G4	7	NSD							☐	
D1-G6	8	NSD							☐	
D1-G8	9	NSD							☐	
D1-G10	10	NSD							☐	

NSD: No Asbestos Structures Detected

Scope #: Front 4: Jeol JEM-100CX II, Serial No.156147-247

Comments

		Concentration (million fibers/liter)	Grid Evaluation
Total Grid Openings:	10		☑ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<0.221	☑ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<0.221	☑ Undissolved Filter < 10%
Asbestos Structures >10 microns:	0	<0.221	☑ Folded Replica < 50%
Total Asbestos Structures:	0	<0.221	☑ Filter Loading < 25%
Analytical Sensitivity:		0.221	☑ Particulate Even

126031109

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554200
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-49-0.5	24-FEB-2026 00:00	554200-032	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5	24-FEB-2026 00:00	554200-033	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-0.5-DUP	24-FEB-2026 00:00	554200-034	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-2.5-DUP	24-FEB-2026 00:00	554200-035	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-0.5	24-FEB-2026 00:00	554200-036	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-2.5	24-FEB-2026 00:00	554200-037	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-0.5	24-FEB-2026 00:00	554200-038	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-2.5	24-FEB-2026 00:00	554200-039	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-2.5	24-FEB-2026 00:00	554200-052	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-0.5	24-FEB-2026 00:00	554200-053	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-0.5	24-FEB-2026 00:00	554200-054	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-2.5	24-FEB-2026 00:00	554200-055	1	Soil	Asbestos by PLM	PLM qualitative
EB-01-260224	24-FEB-2026 14:50	554200-056	1	Water	Asbestos	Non-potable water TEM

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERO
	Date: 2/27/26 1500	Date: 2/27/26 @ 1500
	M. RIVERO	
	Date: 3/02/26 @ 0807	Date:
	Date:	Date:

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 20, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126031480
P.O. #099981
EO-554200

Dear Patty Mata:

Enclosed are the results for PLM asbestos analysis of the following Enthalpy Analytical samples received at AmeriSci on Thursday, March 12, 2026, for a 5 day turnaround:

CG-50.05

The 1 samples contained in glass jar were shipped to AmeriSci via Submitted To Be Reanalyzed. These samples were prepared and analyzed according to the CARB 435 method. Asbestos fibers were identified and quantified according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A) by 400 point count procedure (or 1000 point if requested). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the PLM Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. AmeriSci assumes no responsibility for customer supplied data such as “sample type”, "location", or “area sampled”. This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Glenn F. Massey

QA Manager | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave

Orange, CA 92868

Date Received 3/12/2026
Date Examined 03/18/26

RE: EO-554200

AmeriSci Job # 126031480
P.O. # 099981
Page 1 **of** 1

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-50.05	126031480-01	***Yes***	Trace (<0.3 % pc) (by 400 pt ct) by Eric H. Ahles on 03/18/26	*1*

Location:
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil
Asbestos Types: Chrysotile <0.3 % pc
Other Material: Non-fibrous 100%

Reporting Notes:

(1) Sample pulverized by Brinkman Retsch Benchtop Ball Mill Ser#91768006

Analyzed by: Eric H. Ahles
Date: 3/18/2026



Reviewed by: Glenn F. Massey



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Meiji, Model MT 6130 microscope, Serial #1410298, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Subject: Re: [External] - Order Confirmation: Need PO #
From: Patricia Mata <patty.mata@enthalpy.com>
Date: 3/19/2026, 7:31 PM
To: "varesults@amerisci.com" <varesults@amerisci.com>, Jocelyn Nguyen <JocelynNguyen@enthalpy.com>

Will you have this result to me today?

Please use PO-099981 on the invoice.

With Regards,

Patty Mata
Project Manager
Enthalpy Analytical
Direct: +1-714-771-9930 | Mobile: +1-714-323-2586
patty.mata@enthalpy.com

From: varesults@amerisci.com <varesults@amerisci.com>
Sent: Thursday, March 12, 2026 7:42 AM
To: Patricia Mata <patty.mata@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
Subject: [External] - Order Confirmation: Need PO #

This is to confirm our receipt of 1 samples on 3/12/2026.

Our Job #: 126031480

Your Job Number: EO-554200

Your Job Name:

Your Job Site:

Your Analysis Type: PLM-CARB 435 - 400 pt ct

Your Turnaround Time: 5 day

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The information contained in this e-mail and any attachments from Montrose Environmental Group, Inc. may contain confidential and/or proprietary information,

126031106
5 3/12/26

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

126031480

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554200
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-48-0.5	24-FEB-2026 00:00	554200-032	1	Soil	Asbestos by PLM	PLM qualitative
CG-48-2.5	24-FEB-2026 00:00	554200-033	1	Soil	Asbestos by PLM	PLM qualitative
CG-49-0.5-DUP	24-FEB-2026 00:00	554200-034	1	Soil	Asbestos by PLM	PLM qualitative
CG-48-2.5-DUP	24-FEB-2026 00:00	554200-035	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-0.5	24-FEB-2026 00:00	554200-036	1	Soil	Asbestos by PLM	PLM qualitative
CG-50-2.5	24-FEB-2026 00:00	554200-037	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-0.5	24-FEB-2026 00:00	554200-038	1	Soil	Asbestos by PLM	PLM qualitative
CG-51-2.5	24-FEB-2026 00:00	554200-039	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-2.5	24-FEB-2026 00:00	554200-052	1	Soil	Asbestos by PLM	PLM qualitative
CG-56-0.5	24-FEB-2026 00:00	554200-053	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-0.5	24-FEB-2026 00:00	554200-054	1	Soil	Asbestos by PLM	PLM qualitative
CG-57-2.5	24-FEB-2026 00:00	554200-055	1	Soil	Asbestos by PLM	PLM qualitative
EB-01-260224	24-FEB-2026 14:50	554200-056	1	Water	Asbestos	Non-potable water TEM

Notes:	Relinquished By:	Received By:
		M. RIVERO
	Date: 2/27/26 1500	Date: 2/27/26 1500
	M. RIVERO	
	Date: 3/02/26 0800	Date:
	Date:	Date:

Received
MAR 12 2026
0

Received
MAR 03 2026
AEC

1 of 1

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 554603
Report Level : II
Report Date : 03/10/2026

Analytical Report *prepared for:*

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: CENTENNIAL HS - Centennial HS, 2606 N Central Ave, Compton, CA

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #:	554603
Project No:	CENTENNIAL HS
Location:	Centennial HS, 2606 N Central Ave, Compton, CA
Dates Received:	02/10/26-02/13/26

Sample ID	Lab ID	Collected	Matrix
AOC2-SB-40-2.5	554603-001	02/10/26 13:35	Soil
AOC3-SB-24-2.5	554603-002	02/13/26 10:00	Soil
AOC2-SB-08-2.5	554603-003	02/11/26 11:15	Soil
AOC2-SB-09-2.5	554603-004	02/11/26 11:25	Soil
AOC2-SB-20-2.5	554603-005	02/11/26 13:15	Soil
AOC2-SB-23-2.5	554603-006	02/10/26 11:00	Soil
AOC2-SB-34-2.5	554603-007	02/10/26 11:35	Soil
AOC2-SB-47-2.5	554603-008	02/12/26 14:25	Soil
AOC3-SB-03-2.5	554603-009	02/12/26 08:20	Soil
AOC3-SB-04-2.5	554603-010	02/12/26 08:30	Soil
AOC3-SB-13-2.5	554603-011	02/12/26 10:55	Soil
AOC3-SB-40-2.5	554603-012	02/13/26 12:05	Soil
AOC3-SB-44-2.5	554603-013	02/13/26 13:55	Soil
AOC3-SB-01-2.5	554603-014	02/12/26 09:30	Soil

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Vanya Keyes	Lab Job Number: 554603 Project No: CENTENNIAL HS Location: Centennial HS, 2606 N Central Ave, Compton, CA Dates Received: 02/10/26, 02/11/26, 02/12/26, 02/13/26

This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 03/03/26. The samples were received in good condition.

PCBs (EPA 8082):

- PCB testing for lab numbers 554603-001 and 554603-002 were requested past the 14-day extraction hold time. The samples were prepared outside of hold time; affected data was qualified with "H" flags.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 6020):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554603
Project No: CENTENNIAL HS
Location: Centennial HS, 2606 N Central Ave, Compton, CA
Dates Received: 02/10/26-02/13/26

Sample ID: AOC2-SB-40-2.5 **Lab ID: 554603-001** **Collected: 02/10/26 13:35**
Matrix: Soil

554603-001 Analyte	Result	Qual	Units	RL
Method: EPA 8082 Prep Method: EPA 3546				
Aroclor-1260	**110**	H	ug/Kg	51
Aroclor-1268	**120**	H	ug/Kg	51
Total PCBs	**230**		ug/Kg	51

Sample ID: AOC3-SB-24-2.5 **Lab ID: 554603-002** **Collected: 02/13/26 10:00**
Matrix: Soil

554603-002 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**5.9**		mg/Kg	0.97

Sample ID: AOC2-SB-08-2.5 **Lab ID: 554603-003** **Collected: 02/11/26 11:15**
Matrix: Soil

554603-003 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**8.0**		mg/Kg	0.95

Sample ID: AOC2-SB-09-2.5 **Lab ID: 554603-004** **Collected: 02/11/26 11:25**
Matrix: Soil

554603-004 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**16**		mg/Kg	0.97

Sample ID: AOC2-SB-20-2.5 **Lab ID: 554603-005** **Collected: 02/11/26 13:15**
Matrix: Soil

554603-005 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**12**		mg/Kg	0.99

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC2-SB-23-2.5 **Lab ID: 554603-006** **Collected: 02/10/26 11:00**
Matrix: Soil

554603-006 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**4.5**		mg/Kg	0.97

Sample ID: AOC2-SB-34-2.5 **Lab ID: 554603-007** **Collected: 02/10/26 11:35**
Matrix: Soil

554603-007 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**5.8**		mg/Kg	0.97

Sample ID: AOC2-SB-47-2.5 **Lab ID: 554603-008** **Collected: 02/12/26 14:25**
Matrix: Soil

554603-008 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**4.6**		mg/Kg	0.97

Sample ID: AOC3-SB-03-2.5 **Lab ID: 554603-009** **Collected: 02/12/26 08:20**
Matrix: Soil

554603-009 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**6.0**		mg/Kg	0.98

Sample ID: AOC3-SB-04-2.5 **Lab ID: 554603-010** **Collected: 02/12/26 08:30**
Matrix: Soil

554603-010 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**5.4**		mg/Kg	0.98

Sample ID: AOC3-SB-13-2.5 **Lab ID: 554603-011** **Collected: 02/12/26 10:55**
Matrix: Soil

554603-011 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**8.0**		mg/Kg	0.97

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC3-SB-40-2.5	Lab ID: 554603-012	Collected: 02/13/26 12:05
	Matrix: Soil	

554603-012 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**6.6**		mg/Kg	1.0

Sample ID: AOC3-SB-44-2.5	Lab ID: 554603-013	Collected: 02/13/26 13:55
	Matrix: Soil	

554603-013 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**8.5**		mg/Kg	1.0

Sample ID: AOC3-SB-01-2.5	Lab ID: 554603-014	Collected: 02/12/26 09:30
	Matrix: Soil	

554603-014 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**2.8**		mg/Kg	1.0

H Holding time was exceeded

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Outlook

[External] - Analysis of deeper samples requested for Centennial

From Vanya Keyes <vanya.keyes@terraphase.com>
Date Mon 3/2/2026 6:45 PM
To Patricia Mata <patty.mata@enthalpy.com>
Cc Clare Steedman <clare.steedman@terraphase.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Evening Patty,
A few of those Centennial 0.5-foot samples came up spicy, so we'd like to request the following discrete samples be analyzed:

- Lead
  - AOC2-SB-08-2.5
  - AOC2-SB-09-2.5
  - AOC2-SB-20-2.5
  - AOC2-SB-23-2.5
  - AOC2-SB-34-2.5
  - AOC2-SB-47-2.5
  - AOC3-SB-03-2.5
  - AOC3-SB-04-2.5
  - AOC3-SB-13-2.5
  - AOC3-SB-24-2.5
  - AOC3-SB-40-2.5
  - AOC3-SB-44-2.5
- PCBs
  - AOC2-SB-40-2.5
  - AOC3-SB-24-2.5
- Arsenic
  - AOC3-SB-01-2.5

Thank you!

Vanya Keyes, P.G.
Senior Project Geologist
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(949) 990-0182
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terraphase engineering

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ENTHALPY ANALYTICAL

Analysis Results for 554603

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554603
Project No: CENTENNIAL HS
Location: Centennial HS, 2606 N Central Ave, Compton, CA
Dates Received: 02/10/26-02/13/26

Sample ID: AOC2-SB-40-2.5 **Lab ID: 554603-001** **Collected: 02/10/26 13:35**
Matrix: Soil

554603-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1221	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1232	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1242	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1248	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1254	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1260	**110**	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1262	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1268	**120**	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Total PCBs	**230**		ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	79%	H	%REC	50-127	1	397002	03/04/26	03/06/26	HQN

Sample ID: AOC3-SB-24-2.5 **Lab ID: 554603-002** **Collected: 02/13/26 10:00**
Matrix: Soil

554603-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.9**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1221	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1232	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1242	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1248	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1254	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1260	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1262	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Aroclor-1268	ND	H	ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Total PCBs	ND		ug/Kg	51	1	397002	03/04/26	03/06/26	HQN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	79%	H	%REC	50-127	1	397002	03/04/26	03/06/26	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554603

Sample ID: AOC2-SB-08-2.5 **Lab ID: 554603-003** **Collected: 02/11/26 11:15**
Matrix: Soil

554603-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.0**		mg/Kg	0.95	0.95	397025	03/03/26	03/04/26	SBW

Sample ID: AOC2-SB-09-2.5 **Lab ID: 554603-004** **Collected: 02/11/26 11:25**
Matrix: Soil

554603-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**16**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW

Sample ID: AOC2-SB-20-2.5 **Lab ID: 554603-005** **Collected: 02/11/26 13:15**
Matrix: Soil

554603-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**12**		mg/Kg	0.99	0.99	397025	03/03/26	03/04/26	SBW

Sample ID: AOC2-SB-23-2.5 **Lab ID: 554603-006** **Collected: 02/10/26 11:00**
Matrix: Soil

554603-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.5**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW

Sample ID: AOC2-SB-34-2.5 **Lab ID: 554603-007** **Collected: 02/10/26 11:35**
Matrix: Soil

554603-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.8**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW

Sample ID: AOC2-SB-47-2.5 **Lab ID: 554603-008** **Collected: 02/12/26 14:25**
Matrix: Soil

554603-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**4.6**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554603

Sample ID: AOC3-SB-03-2.5	Lab ID: 554603-009	Collected: 02/12/26 08:20
	Matrix: Soil	

554603-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.0**		mg/Kg	0.98	0.98	397025	03/03/26	03/04/26	SBW

Sample ID: AOC3-SB-04-2.5	Lab ID: 554603-010	Collected: 02/12/26 08:30
	Matrix: Soil	

554603-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**5.4**		mg/Kg	0.98	0.98	397025	03/03/26	03/04/26	SBW

Sample ID: AOC3-SB-13-2.5	Lab ID: 554603-011	Collected: 02/12/26 10:55
	Matrix: Soil	

554603-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.0**		mg/Kg	0.97	0.97	397025	03/03/26	03/04/26	SBW

Sample ID: AOC3-SB-40-2.5	Lab ID: 554603-012	Collected: 02/13/26 12:05
	Matrix: Soil	

554603-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**6.6**		mg/Kg	1.0	1	397025	03/03/26	03/04/26	SBW

Sample ID: AOC3-SB-44-2.5	Lab ID: 554603-013	Collected: 02/13/26 13:55
	Matrix: Soil	

554603-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**8.5**		mg/Kg	1.0	1	397025	03/03/26	03/04/26	SBW

Sample ID: AOC3-SB-01-2.5	Lab ID: 554603-014	Collected: 02/12/26 09:30
	Matrix: Soil	

554603-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B									
Arsenic	**2.8**		mg/Kg	1.0	1	397064	03/04/26	03/04/26	KAM

H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	Lab ID: QC1346331	Batch: 397025
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346331 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	03/03/26	03/04/26

Type: Lab Control Sample	Lab ID: QC1346332	Batch: 397025
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346332 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	109.2	100.0	mg/Kg	109%		80-120

Type: Matrix Spike	Lab ID: QC1346333	Batch: 397025
Matrix (Source ID): Soil (553769-017)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346333 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	110.0	1.181	100.0	mg/Kg	109%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1346334	Batch: 397025
Matrix (Source ID): Soil (553769-017)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346334 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	110.7	1.181	97.09	mg/Kg	113%		75-125	3	28	0.97

Type: Post Digest Spike	Lab ID: QC1346335	Batch: 397025
Matrix (Source ID): Soil (553769-017)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346335 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	100.2	1.181	99.01	mg/Kg	100%		75-125	0.99

Type: Serial Dilution	Lab ID: QC1346669	Batch: 397025
Matrix (Source ID): Soil (553769-017)	Method: EPA 6010B	Prep Method: EPA 3050B

QC1346669 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	ND	1.181	mg/Kg				5

Type: Blank	Lab ID: QC1346529	Batch: 397064
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1346529 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	03/04/26	03/04/26

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Batch QC

Type:	Lab Control Sample	Lab ID:	QC1346530	Batch:	397064
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1346530 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	95.70	100.0	mg/Kg	96%		80-120

Type:	Matrix Spike	Lab ID:	QC1346531	Batch:	397064
Matrix (Source ID):	Soil (554603-014)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1346531 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	93.03	2.772	96.15	mg/Kg	94%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1346532	Batch:	397064
Matrix (Source ID):	Soil (554603-014)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1346532 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	95.69	2.772	96.15	mg/Kg	97%		75-125	3	22	0.96

Type:	Post Digest Spike	Lab ID:	QC1346533	Batch:	397064
Matrix (Source ID):	Soil (554603-014)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1346533 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	99.65	2.772	100.0	mg/Kg	97%		75-125	1

Type:	Serial Dilution	Lab ID:	QC1346658	Batch:	397064
Matrix (Source ID):	Soil (554603-014)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1346658 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Arsenic	3.010	2.772	mg/Kg	J			5

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Batch QC

Type: Blank	Lab ID: QC1346240	Batch: 397002
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1346240 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1221	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1232	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1242	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1248	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1254	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1260	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1262	ND		ug/Kg	51	03/04/26	03/06/26
Aroclor-1268	ND		ug/Kg	51	03/04/26	03/06/26
Total PCBs	ND		ug/Kg	51	03/04/26	03/06/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	91%		%REC	50-127	03/04/26	03/06/26

Type: Lab Control Sample	Lab ID: QC1346244	Batch: 397002
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1346244 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	497.7	505.1	ug/Kg	99%		66-120
Aroclor-1260	432.6	505.1	ug/Kg	86%		63-126
Surrogates						
Decachlorobiphenyl (PCB)	35.10	50.51	ug/Kg	70%		50-127

Type: Matrix Spike	Lab ID: QC1346245	Batch: 397002
Matrix (Source ID): Soil (554568-002)	Method: EPA 8082	Prep Method: EPA 3546

QC1346245 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	589.1	ND	505.1	ug/Kg	117%		60-123	2
Aroclor-1260	496.0	ND	505.1	ug/Kg	98%		55-136	2
Surrogates								
Decachlorobiphenyl (PCB)	38.61		50.51	ug/Kg	76%		50-127	2

Type: Matrix Spike Duplicate	Lab ID: QC1346246	Batch: 397002
Matrix (Source ID): Soil (554568-002)	Method: EPA 8082	Prep Method: EPA 3546

QC1346246 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	610.0	ND	500.0	ug/Kg	122%		60-123	4	37	2
Aroclor-1260	514.5	ND	500.0	ug/Kg	103%		55-136	5	41	2
Surrogates										
Decachlorobiphenyl (PCB)	42.54		50.00	ug/Kg	85%		50-127			2

J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number	:	554734
Report Level	:	II
Report Date	:	03/17/2026
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: CENTENNIAL HS - Centennial High School, 0215.002.002

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave,
Suite #410
Irvine, CA 92612

Lab Job #: 554734
Project No: CENTENNIAL HS
Location: Centennial High School, 0215.002.002
Dates Received: 02/10/26-03/04/26

Sample ID	Lab ID	Collected	Matrix
AOC5-SB-04-0.5	554734-001	03/03/26 14:04	Soil
AOC5-SB-04-2.5	554734-002	03/03/26 14:08	Soil
AOC5-SB-04-5.0	554734-003	03/03/26 14:14	Soil
AOC5-SB-29-0.5	554734-004	03/03/26 14:55	Soil
AOC5-SB-29-1.5	554734-005	03/03/26 15:19	Soil
AOC5-SB-29-2.5	554734-006	03/03/26 15:03	Soil
AOC5-SB-29-5.0	554734-007	03/03/26 15:11	Soil
AOC5-SB-35-2.5	554734-008	03/03/26 16:03	Soil
AOC5-SB-35-5.0	554734-009	03/03/26 16:09	Soil
AOC5-SB-35-10.0	554734-010	03/03/26 16:25	Soil
AOC5-SB-35-15.0	554734-011	03/03/26 16:30	Soil
AOC2-SB-29-0.5	554734-012	03/03/26 17:28	Soil
AOC2-SB-29-2.5	554734-013	03/03/26 17:35	Soil
EB-01-260303	554734-014	03/03/26 18:00	Water
TB-01-260303	554734-015	03/03/26 00:00	Water
CG-47-0.5	554734-016	02/20/26 00:00	Soil
CG-47-2.5	554734-017	02/20/26 00:00	Soil
CG-54-0.5	554734-018	02/23/26 00:00	Soil
CG-54-2.5	554734-019	02/23/26 00:00	Soil
CG-09-0.5	554734-020	02/10/26 00:00	Soil
CG-09-2.5	554734-021	02/10/26 00:00	Soil

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Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Vanya Keyes	Lab Job Number: 554734 Project No: CENTENNIAL HS Location: Centennial High School, 0215.002.002 Dates Received: 02/10/26, 02/20/26, 02/23/26, 03/04/26

- This data package contains sample and QC results for nine soil samples, four three-point soil composites, two water samples, and two four-point soil composites, requested for the above referenced project on 03/04/26. The samples were received in good condition.
- Revised report on 3/17/26 to include all requested test results.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Pesticides (EPA 8081A):

- Low recoveries were observed for 4,4'-DDE and 4,4'-DDT in the MS/MSD for batch 397317; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Composite samples CG-54-0.5, CG-54-2.5, CG-09-0.5 and CG-09-2.5 were requested to be composited with samples that were collected over 14 days ago. Due to this, the samples were prepared outside of 14-day hold time; affected data was qualified with "H" flags.
- CG-47-0.5 (lab # 554734-016) was diluted due to the color of the sample extract. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

PCBs (EPA 8082) Water:
No analytical problems were encountered.

PCBs (EPA 8082) Soil:

- AOC5-SB-04-0.5 (lab # 554734-001), AOC5-SB-29-0.5 (lab # 554734-004), and AOC2-SB-29-0.5 (lab # 554734-012) were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7470A) Water:
No analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- Low recovery was observed for copper in the MSD of AOC5-SB-04-5.0 (lab # 554734-003); the LCS was within limits, and the associated RPD was within limits. High RPD was observed for barium in the MS/MSD of AOC5-SB-04-5.0 (lab # 554734-003).
- No other analytical problems were encountered.

Asbestos by PLM (EPA 600/R-93-116):

AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

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Detection Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554734
Project No: CENTENNIAL HS
Location: Centennial High School, 0215.002.002
Dates Received: 02/10/26-03/04/26

Sample ID: AOC5-SB-04-0.5 **Lab ID: 554734-001** **Collected: 03/03/26 14:04**
Matrix: Soil

554734-001 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**32**		mg/Kg	0.98

Sample ID: AOC5-SB-04-5.0 **Lab ID: 554734-003** **Collected: 03/03/26 14:14**
Matrix: Soil

554734-003 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3051A				
Arsenic	**3.8**		mg/Kg	0.53
Barium	**170**		mg/Kg	2.1
Beryllium	**0.50**		mg/Kg	0.11
Cadmium	**0.14**		mg/Kg	0.11
Chromium	**29**		mg/Kg	11
Cobalt	**13**		mg/Kg	2.1
Copper	**15**		mg/Kg	1.1
Lead	**6.0**		mg/Kg	0.11
Nickel	**21**		mg/Kg	2.1
Thallium	**0.21**		mg/Kg	0.11
Vanadium	**64**		mg/Kg	11
Zinc	**57**		mg/Kg	2.7

Sample ID: AOC5-SB-29-0.5 **Lab ID: 554734-004** **Collected: 03/03/26 14:55**
Matrix: Soil

554734-004 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**73**		mg/Kg	0.96

Sample ID: AOC5-SB-29-1.5 **Lab ID: 554734-005** **Collected: 03/03/26 15:19**

No Detections

Sample ID: AOC5-SB-29-5.0 **Lab ID: 554734-007** **Collected: 03/03/26 15:11**

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: AOC5-SB-35-2.5	Lab ID: 554734-008	Collected: 03/03/26 16:03

No Detections

Sample ID: AOC5-SB-35-5.0	Lab ID: 554734-009	Collected: 03/03/26 16:09

No Detections

Sample ID: AOC5-SB-35-10.0	Lab ID: 554734-010	Collected: 03/03/26 16:25

No Detections

Sample ID: AOC2-SB-29-0.5	Lab ID: 554734-012	Collected: 03/03/26 17:28
	Matrix: Soil	

554734-012 Analyte	Result	Qual	Units	RL
Method: EPA 6010B Prep Method: EPA 3050B				
Lead	**9.1**		mg/Kg	1.0

Sample ID: EB-01-260303	Lab ID: 554734-014	Collected: 03/03/26 18:00

No Detections

Sample ID: TB-01-260303	Lab ID: 554734-015	Collected: 03/03/26

No Detections

Sample ID: CG-47-0.5	Lab ID: 554734-016	Collected: 02/20/26

No Detections

Sample ID: CG-47-2.5	Lab ID: 554734-017	Collected: 02/20/26

No Detections

Sample ID: CG-54-0.5	Lab ID: 554734-018	Collected: 02/23/26

No Detections

Sample ID: CG-54-2.5	Lab ID: 554734-019	Collected: 02/23/26

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: CG-09-0.5	Lab ID: 554734-020	Collected: 02/10/26
	Matrix: Soil	

554734-020 Analyte		Result	Qual	Units	RL
Method: EPA 8081A Prep Method: EPA 3546					
	4,4'-DDT	**8.0**	C,H	ug/Kg	5.1

Sample ID: CG-09-2.5	Lab ID: 554734-021	Collected: 02/10/26

No Detections

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 554734

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Login 554734

Matrix: A = Air, S = Soil/Solid, W = Water, DW = Drinking Water, P = Product, O = Oil, SD = Sediment, T = Tissue, WP = Wipe, WW = Wastewater, X = Other

Sample Type: C = Composite, G = Grab or Discrete, B = Blank, O = Other

Preservatives: 0 = none, 1 = $Na_2S_2O_3$, 2 = HCl, 3 = HNO_3, 4 = H_2SO_4, 5 = NaOH, 6 = Other

Sample Receipt Temp and Notes: 1/2 (0) 0.3/0.5 Ice/bagged (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	
Email:	vanya.keyes@terraphase.com	P.O. #:	0215.002.002
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
			Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATLIN / Portia C. Ibarra

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	Lead 6010	PCB 8082	TPH mod 8015	VOCs 8260B/5035	TPH 8015/3510	Test Instructions / Comments
1	AOC5-SB-04-0.5	3/3/26	1404	S	G	0	1	80z	PCI			X	X				composite w/ CG-47-0.5
2	AOC5-SB-04-2.5		1408			0	1	80z									composite w/ CG-47-2.5
3	AOC5-SB-04-5.0		1414			6	4	3 voas 1 80z						X	X		
4																	
5	AOC5-SB-29-0.5		1519			0	1	80z				X	X				composite w/ CG-54-0.5
6	AOC5-SB-29-1.5		1455			6	5	voas							X	X	
7	AOC5-SB-29-2.5		1503			0	1	80z									composite w/ CG-54-2.5
8	AOC5-SB-29-5.0	3/3/26	1511	S	G	6	4	80z voa	PCI						X		
9																	
10																	

Please also send report to clare.steedman@terraphase.com portia.ibarra@terraphase.com

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATLIN	TEI / GEO	3/4/26 838
1 Received By:		JXR	EA	3/4/26 0838
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: **A** = Air **S** = Soil/Solid **W** = Water **DW** = Drinking Water **P** = Product **O** = Oil **SD** = Sediment **T** = Tissue **WP** = Wipe **WW** = Wastewater **X** = Other

Sample Type: **C** = Composite **G** = Grab or Discrete **B** = Blank **O** = Other

Preservatives: **0** = none **1** = $Na_2S_2O_3$ **2** = HCl **3** = HNO_3 **4** = H_2SO_4 **5** = NaOH **6** = Other

Sample Receipt Temp and Notes: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Terraphase Engineering Inc.	Name:	Centennial High School
Report To:	Vanya Keyes	Number:	0215.002.002
Email:	vanya.keyes@terraphase.com	P.O. #:	
Address:	18401 Von Karman Ave	Address:	2606 N Central Ave
			Compton, CA, 90222
Phone:	949-377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATLIN / Portia C. Ibarra

Test Instructions / Comments: Please also send report to clare.steedman@terraphase.com portia.ibarra@terraphase.com

	Sample ID	Sampling Date	Sampling Time (24 hr)	Matrix	Sample Type	Pres.	Cont. No.	Cont. Size	Initials	OCPs by USEPA 8081A	Asbestos by PLM	Lead 6010	PCB 8082	T22 Metals 6010/7471A	VOCs 8260B/5035	TPH 8015/5035	Test Instructions / Comments
1	AOC5-SB-35-2.5	3/3/26	1603	S	G	6	6	voas 807	PCL						X	X	
2	AOC5-SB-35-5.0	"	1609	"	"	"	6	voas 807	"						X	X	
3	AOC5-SB-35-10.0	"	1625	"	"	"	6	voas 807	"						X	X	
4	AOC5-SB-35-15.0	"	1630	"	"	6	6	voas 807	"								hold
5	AOC2-SB-29-0.5	"	1728	"	"	—	1	807	"			X	X				composite w/ CG-09-0.5
6	AOC2-SB-29-2.5	3/3/26	1735	S	G	—	1	807	PCL								composite w/ CG-09-2.5
7																	
8	EB-01-260303	3/3/26	1800	W	G	2,3	8	1 poly 5 voas 2 amb. voas	PCL			X	X	X	X	X	
9	TB-01-260303	3/3/26	—	W	B	6	2	amb. voas	PCL						X	X	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Julianna Catlin	JULIANNA CATLIN	TET / GEO	3/4/26 838
1 Received By:	JKR	JKR	EA	3/4/26 0838
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 03/04/26 WO# 554734 Client: Terraphase Engineering

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/04/26 By (initials) JXR Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR10 CF: +0.2

Cooler Temp (°C) #1: 0.3 / 0.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	x		
2) Is the sampler's name present on the CoC?	x		
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	x		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	x		
5) Were all of, and only, the correct samples received?	x		
6) Are sample labels present, legible, and in agreement with the CoC?		x	
7) Does the container count match the CoC?	x		
8) Was sufficient sample volume / mass received for the analyses requested?	x		
9) Were samples received in proper containers for the analyses requested?	x		
10) Were samples received with > 1/2 holding time remaining?	x		
11) Are samples properly preserved as indicated by CoC / labels?	x		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			x
13) Are VOA vials free from headspace/bubbles > 6mm?		x	

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.c SAMPLING TIME DISCREPANCY:
-004 : 1519 PER COC, 1455 PER LABEL
-005 : 1455 PER COC, 1519 PER LABEL

- 1 SUB-PRESERVED VIAL FOR SAMPLE -009 LABELED ONCY AS AOC5-, BAGGED TOGETHER WITH THE REST OF THE CONTAINERS

4.13 - HEADSPACE >6mm IN 1/2 VIALS OF SAMPLE -015 (TB-01-260303)

☐ **No additional discrepancies**

Date Logged 03/04/26 **By (print)** FPD **(sign)** _____

Date Labeled 03/04/26 **By (print)** FPD **(sign)** _____

Outlook

[External] - RE: Discrepancies - Centennial High School, #554734

From Vanya Keyes <vanya.keyes@terraphase.com>
Date Thu 3/5/2026 2:10 PM
To Diane Galvan <diane.galvan@enthalpy.com>
Cc Patricia Mata <patty.mata@enthalpy.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Please assume the -0.5 sample was collected at 14:55 and the -1.5 sample was collected at 15:19.
Thank you,

Vanya Keyes
Senior Project Geologist
(949) 990-0182

From: Diane Galvan <diane.galvan@enthalpy.com>
Sent: Thursday, March 5, 2026 2:06 PM
To: Vanya Keyes <vanya.keyes@terraphase.com>
Cc: Patricia Mata <patty.mata@enthalpy.com>
Subject: Discrepancies - Centennial High School, #554734

Hi Vanya,

I have been informed of the following discrepancies:

Sample AOC5-SB-29-0.5, sampling time on COC is 15:19 and 14:55 on the container label.
Sample AOC5-SB-29-1.5, sampling time on COC is 14:55 and 15:19 on the container label.

Sample TB-01-260303 had headspace >6 mm in 1 of the 2 vials. We will use the vial without headspace first.

Thanks,

Diane Galvan
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: 714-771-6900 x 10328 | Mobile: +1-714-812-8119
diane.galvan@enthalpy.com | enthalpy.com
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ENTHALPY ANALYTICAL

Analysis Results for 554734

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 554734
Project No: CENTENNIAL HS
Location: Centennial High School, 0215.002.002
Dates Received: 02/10/26-03/04/26

Sample ID: AOC5-SB-04-0.5 **Lab ID: 554734-001** **Collected: 03/03/26 14:04**
Matrix: Soil

554734-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**32**		mg/Kg	0.98	0.98	397204	03/05/26	03/05/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1221	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1232	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1242	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1248	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1254	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1260	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1262	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Aroclor-1268	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Total PCBs	ND		ug/Kg	49	0.99	397143	03/05/26	03/09/26	HQN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	82%		%REC	50-127	0.99	397143	03/05/26	03/09/26	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554734

Sample ID: AOC5-SB-04-5.0	Lab ID: 554734-003	Collected: 03/03/26 14:14
	Matrix: Soil	

554734-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3051A									
Antimony	ND		mg/Kg	0.53	0.11	397286	03/05/26	03/06/26	KCD
Arsenic	**3.8**		mg/Kg	0.53	0.11	397286	03/05/26	03/09/26	KCD
Barium	**170**		mg/Kg	2.1	2.1	397286	03/05/26	03/09/26	KCD
Beryllium	**0.50**		mg/Kg	0.11	0.11	397286	03/05/26	03/09/26	KCD
Cadmium	**0.14**		mg/Kg	0.11	0.11	397286	03/05/26	03/06/26	KCD
Chromium	**29**		mg/Kg	11	2.1	397286	03/05/26	03/09/26	KCD
Cobalt	**13**		mg/Kg	2.1	2.1	397286	03/05/26	03/09/26	KCD
Copper	**15**		mg/Kg	1.1	0.11	397286	03/05/26	03/09/26	KCD
Lead	**6.0**		mg/Kg	0.11	0.11	397286	03/05/26	03/09/26	KCD
Molybdenum	ND		mg/Kg	2.1	2.1	397286	03/05/26	03/09/26	KCD
Nickel	**21**		mg/Kg	2.1	2.1	397286	03/05/26	03/09/26	KCD
Selenium	ND		mg/Kg	1.1	0.11	397286	03/05/26	03/09/26	KCD
Silver	ND		mg/Kg	0.11	0.11	397286	03/05/26	03/06/26	KCD
Thallium	**0.21**		mg/Kg	0.11	0.11	397286	03/05/26	03/09/26	KCD
Vanadium	**64**		mg/Kg	11	2.1	397286	03/05/26	03/09/26	KCD
Zinc	**57**		mg/Kg	2.7	0.11	397286	03/05/26	03/09/26	KCD
Method: EPA 7471A Prep Method: EPA 7471A									
Mercury	ND		mg/Kg	0.15	1.1	397320	03/06/26	03/06/26	MLL
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Freon 12	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Chloromethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Vinyl Chloride	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Bromomethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Chloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Trichlorofluoromethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Acetone	ND		ug/Kg	71	0.71	397173	03/04/26	03/04/26	ZST
Freon 113	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1-Dichloroethene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Methylene Chloride	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
MTBE	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1-Dichloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
2-Butanone	ND		ug/Kg	71	0.71	397173	03/04/26	03/04/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
2,2-Dichloropropane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Chloroform	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Bromochloromethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1-Dichloropropene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Carbon Tetrachloride	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554734

554734-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Benzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Trichloroethene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2-Dichloropropane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Bromodichloromethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Dibromomethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Toluene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,3-Dichloropropane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Tetrachloroethene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Dibromochloromethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2-Dibromoethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Chlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Ethylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
m,p-Xylenes	ND		ug/Kg	7.1	0.71	397173	03/04/26	03/04/26	ZST
o-Xylene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Styrene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Bromoform	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Isopropylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Propylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Bromobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
2-Chlorotoluene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
4-Chlorotoluene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
tert-Butylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
sec-Butylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
n-Butylbenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Hexachlorobutadiene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Naphthalene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Xylene (total)	ND		ug/Kg	3.5	0.71	397173	03/04/26	03/04/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	105%		%REC	70-130	0.71	397173	03/04/26	03/04/26	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130	0.71	397173	03/04/26	03/04/26	ZST
Toluene-d8	93%		%REC	70-130	0.71	397173	03/04/26	03/04/26	ZST
Bromofluorobenzene	95%		%REC	70-130	0.71	397173	03/04/26	03/04/26	ZST

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554734

Sample ID: AOC5-SB-29-0.5	Lab ID: 554734-004	Collected: 03/03/26 14:55
	Matrix: Soil	

554734-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**73**		mg/Kg	0.96	0.96	397204	03/05/26	03/05/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Total PCBs	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	85%		%REC	50-127	1	397143	03/05/26	03/09/26	XLY

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: AOC5-SB-29-1.5	Lab ID: 554734-005	Collected: 03/03/26 15:19
	Matrix: Soil	

554734-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.3	0.75	397315	03/06/26	03/06/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	83%		%REC	59-122	0.75	397315	03/06/26	03/06/26	SXR
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Freon 12	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Chloromethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Vinyl Chloride	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Bromomethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Chloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Trichlorofluoromethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Acetone	ND		ug/Kg	80	0.8	397173	03/04/26	03/04/26	ZST
Freon 113	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Methylene Chloride	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
MTBE	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
2-Butanone	ND		ug/Kg	80	0.8	397173	03/04/26	03/04/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Chloroform	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Bromochloromethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Benzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Trichloroethene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Bromodichloromethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Dibromomethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Toluene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Tetrachloroethene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Dibromochloromethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Chlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Ethylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
m,p-Xylenes	ND		ug/Kg	8.0	0.8	397173	03/04/26	03/04/26	ZST
o-Xylene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Styrene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Bromoform	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Isopropylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Propylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Bromobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
n-Butylbenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Naphthalene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Xylene (total)	ND		ug/Kg	4.0	0.8	397173	03/04/26	03/04/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-130	0.8	397173	03/04/26	03/04/26	ZST
1,2-Dichloroethane-d4	96%		%REC	70-130	0.8	397173	03/04/26	03/04/26	ZST
Toluene-d8	94%		%REC	70-130	0.8	397173	03/04/26	03/04/26	ZST
Bromofluorobenzene	96%		%REC	70-130	0.8	397173	03/04/26	03/04/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: AOC5-SB-29-5.0	Lab ID: 554734-007	Collected: 03/03/26 15:11
	Matrix: Soil	

554734-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Freon 12	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Acetone	ND		ug/Kg	67	0.67	397173	03/05/26	03/05/26	ZST
Freon 113	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
MTBE	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/Kg	67	0.67	397173	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Chloroform	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Benzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Toluene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/Kg	6.7	0.67	397173	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Styrene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Bromoform	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/Kg	3.4	0.67	397173	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	102%		%REC	70-130	0.67	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	95%		%REC	70-130	0.67	397173	03/05/26	03/05/26	ZST
Toluene-d8	92%		%REC	70-130	0.67	397173	03/05/26	03/05/26	ZST
Bromofluorobenzene	95%		%REC	70-130	0.67	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: AOC5-SB-35-2.5	Lab ID: 554734-008	Collected: 03/03/26 16:03
	Matrix: Soil	

554734-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.0	0.66	397315	03/06/26	03/06/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	66%		%REC	59-122	0.66	397315	03/06/26	03/06/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	10	1	397386	03/06/26	03/07/26	DIB
DRO C10-C28	ND		mg/Kg	10	1	397386	03/06/26	03/07/26	DIB
ORO C28-C44	ND		mg/Kg	20	1	397386	03/06/26	03/07/26	DIB
Surrogates				**Limits**					
n-Triacontane	85%		%REC	59-136	1	397386	03/06/26	03/07/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Freon 12	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Acetone	ND		ug/Kg	69	0.69	397173	03/05/26	03/05/26	ZST
Freon 113	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
MTBE	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/Kg	69	0.69	397173	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Chloroform	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Benzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Toluene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/Kg	6.9	0.69	397173	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Styrene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Bromoform	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/Kg	3.4	0.69	397173	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-130	0.69	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130	0.69	397173	03/05/26	03/05/26	ZST
Toluene-d8	94%		%REC	70-130	0.69	397173	03/05/26	03/05/26	ZST
Bromofluorobenzene	98%		%REC	70-130	0.69	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: AOC5-SB-35-5.0	Lab ID: 554734-009	Collected: 03/03/26 16:09
	Matrix: Soil	

554734-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.4	0.82	397315	03/06/26	03/06/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	97%		%REC	59-122	0.82	397315	03/06/26	03/06/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	9.9	0.99	397386	03/06/26	03/07/26	DIB
DRO C10-C28	ND		mg/Kg	9.9	0.99	397386	03/06/26	03/07/26	DIB
ORO C28-C44	ND		mg/Kg	20	0.99	397386	03/06/26	03/07/26	DIB
Surrogates				**Limits**					
n-Triacontane	87%		%REC	59-136	0.99	397386	03/06/26	03/07/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Freon 12	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Acetone	ND		ug/Kg	95	0.95	397173	03/05/26	03/05/26	ZST
Freon 113	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
MTBE	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/Kg	95	0.95	397173	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Chloroform	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Benzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Toluene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/Kg	9.5	0.95	397173	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Styrene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Bromoform	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/Kg	4.7	0.95	397173	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-130	0.95	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	100%		%REC	70-130	0.95	397173	03/05/26	03/05/26	ZST
Toluene-d8	93%		%REC	70-130	0.95	397173	03/05/26	03/05/26	ZST
Bromofluorobenzene	97%		%REC	70-130	0.95	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: AOC5-SB-35-10.0	Lab ID: 554734-010	Collected: 03/03/26 16:25
	Matrix: Soil	

554734-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035									
TPH Gasoline	ND		mg/Kg	2.4	0.79	397315	03/06/26	03/06/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	70%		%REC	59-122	0.79	397315	03/06/26	03/06/26	SXR
Method: EPA 8015M Prep Method: EPA 3580M									
GRO C8-C10	ND		mg/Kg	10	1	397386	03/06/26	03/07/26	DIB
DRO C10-C28	ND		mg/Kg	10	1	397386	03/06/26	03/07/26	DIB
ORO C28-C44	ND		mg/Kg	20	1	397386	03/06/26	03/07/26	DIB
Surrogates				**Limits**					
n-Triacontane	86%		%REC	59-136	1	397386	03/06/26	03/07/26	DIB
Method: EPA 8260B Prep Method: EPA 5035									
3-Chloropropene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Freon 12	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Acetone	ND		ug/Kg	110	1.1	397173	03/05/26	03/05/26	ZST
Freon 113	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
MTBE	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/Kg	110	1.1	397173	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Chloroform	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Benzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Toluene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554734

554734-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
trans-1,3-Dichloropropene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/Kg	11	1.1	397173	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Styrene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Bromoform	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/Kg	5.3	1.1	397173	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	106%		%REC	70-130	1.1	397173	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	99%		%REC	70-130	1.1	397173	03/05/26	03/05/26	ZST
Toluene-d8	93%		%REC	70-130	1.1	397173	03/05/26	03/05/26	ZST
Bromofluorobenzene	96%		%REC	70-130	1.1	397173	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554734

Sample ID: AOC2-SB-29-0.5	Lab ID: 554734-012	Collected: 03/03/26 17:28
	Matrix: Soil	

554734-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Lead	**9.1**		mg/Kg	1.0	1	397204	03/05/26	03/05/26	SBW
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1221	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1232	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1242	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1248	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1254	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1260	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1262	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Aroclor-1268	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Total PCBs	ND		ug/Kg	50	1	397143	03/05/26	03/09/26	XLY
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	82%		%REC	50-127	1	397143	03/05/26	03/09/26	XLY

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: EB-01-260303	Lab ID: 554734-014	Collected: 03/03/26 18:00
	Matrix: Water	

554734-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3015A									
Lead	ND		mg/L	0.010	1	397209	03/05/26	03/05/26	SBW
Method: EPA 6020 Prep Method: EPA 3015A									
Antimony	ND		ug/L	2.0	1	397174	03/04/26	03/05/26	DXC
Arsenic	ND		ug/L	2.0	1	397174	03/04/26	03/05/26	DXC
Barium	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Beryllium	ND		ug/L	1.0	1	397174	03/04/26	03/09/26	DXC
Cadmium	ND		ug/L	1.0	1	397174	03/04/26	03/05/26	DXC
Chromium	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Cobalt	ND		ug/L	1.0	1	397174	03/04/26	03/05/26	DXC
Copper	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Lead	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Molybdenum	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Nickel	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Selenium	ND		ug/L	4.0	1	397174	03/04/26	03/09/26	DXC
Silver	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Thallium	ND		ug/L	1.0	1	397174	03/04/26	03/05/26	DXC
Vanadium	ND		ug/L	5.0	1	397174	03/04/26	03/05/26	DXC
Zinc	ND		ug/L	10	1	397174	03/04/26	03/05/26	DXC
Method: EPA 7470A Prep Method: EPA 7470A									
Mercury	ND		ug/L	0.40	1	397199	03/05/26	03/05/26	MLL
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		ug/L	50	1	397196	03/05/26	03/05/26	SXR
Surrogates				**Limits**					
Bromofluorobenzene (FID)	101%		%REC	80-120	1	397196	03/05/26	03/05/26	SXR
Method: EPA 8015B Prep Method: EPA 3510C									
DRO C10-C28	ND		mg/L	0.096	0.96	397136	03/04/26	03/06/26	NXY
ORO C28-C44	ND		mg/L	0.29	0.96	397136	03/04/26	03/06/26	NXY
Surrogates				**Limits**					
n-Triacontane	87%		%REC	43-139	0.96	397136	03/04/26	03/06/26	NXY
Method: EPA 8082 Prep Method: EPA 3510C									
Aroclor-1016	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1221	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1232	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1242	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1248	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1254	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1260	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1262	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Aroclor-1268	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY
Total PCBs	ND		ug/L	0.48	0.95	397465	03/08/26	03/09/26	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554734

554734-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	87%		%REC	28-138	0.95	397465	03/08/26	03/09/26	XLY
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Acetone	ND		ug/L	25	1	397208	03/05/26	03/05/26	ZST
Freon 113	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
MTBE	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chloroform	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Benzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Toluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Styrene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromoform	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	397208	03/05/26	03/05/26	ZST
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	98%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
Toluene-d8	100%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
Bromofluorobenzene	97%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: TB-01-260303	Lab ID: 554734-015	Collected: 03/03/26
	Matrix: Water	

554734-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Vinyl Chloride	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromomethane	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Chloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Trichlorofluoromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Acetone	ND		ug/L	25	1	397208	03/05/26	03/05/26	ZST
Freon 113	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Methylene Chloride	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
MTBE	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
trans-1,2-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2-Butanone	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
cis-1,2-Dichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2,2-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chloroform	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromochloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,1-Trichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Carbon Tetrachloride	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Benzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Trichloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromodichloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Dibromomethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
4-Methyl-2-Pentanone	ND		ug/L	5.0	1	397208	03/05/26	03/05/26	ZST
cis-1,3-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Toluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
trans-1,3-Dichloropropene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,2-Trichloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,3-Dichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Tetrachloroethene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Dibromochloromethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dibromoethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Chlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Ethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
m,p-Xylenes	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
o-Xylene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Styrene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromoform	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Propylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Isopropylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

554734-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2,3-Trichloropropane	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Bromobenzene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
1,3,5-Trimethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
2-Chlorotoluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
4-Chlorotoluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
tert-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2,4-Trimethylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
sec-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
para-Isopropyl Toluene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,3-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,4-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
n-Butylbenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
1,2,4-Trichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Hexachlorobutadiene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
Naphthalene	ND		ug/L	1.0	1	397208	03/05/26	03/05/26	ZST
1,2,3-Trichlorobenzene	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
cis-1,4-Dichloro-2-butene	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
trans-1,4-Dichloro-2-butene	ND		ug/L	2.0	1	397208	03/05/26	03/05/26	ZST
Isopropyl Ether (DIPE)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
tert-Butyl Alcohol (TBA)	ND		ug/L	10	1	397208	03/05/26	03/05/26	ZST
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Xylene (total)	ND		ug/L	0.5	1	397208	03/05/26	03/05/26	ZST
Surrogates				**Limits**					
Dibromofluoromethane	97%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
1,2-Dichloroethane-d4	97%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
Toluene-d8	101%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST
Bromofluorobenzene	96%		%REC	70-130	1	397208	03/05/26	03/05/26	ZST

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554734

Sample ID: CG-47-0.5	Lab ID: 554734-016	Collected: 02/20/26
	Matrix: Soil	

554734-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
beta-BHC	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
gamma-BHC	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
delta-BHC	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Heptachlor	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Aldrin	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Heptachlor epoxide	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endosulfan I	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Dieldrin	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
4,4'-DDE	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endrin	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endosulfan II	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endosulfan sulfate	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
4,4'-DDD	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endrin aldehyde	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Endrin ketone	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
4,4'-DDT	ND		ug/Kg	10	2	397317	03/06/26	03/09/26	HQN
Methoxychlor	ND		ug/Kg	20	2	397317	03/06/26	03/09/26	HQN
Toxaphene	ND		ug/Kg	200	2	397317	03/06/26	03/09/26	HQN
Chlordane (Technical)	ND		ug/Kg	100	2	397317	03/06/26	03/09/26	HQN
Surrogates				**Limits**					
TCMX	87%		%REC	58-120	2	397317	03/06/26	03/09/26	HQN
Decachlorobiphenyl	77%		%REC	47-120	2	397317	03/06/26	03/09/26	HQN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554734

Sample ID: CG-47-2.5	Lab ID: 554734-017	Collected: 02/20/26
	Matrix: Soil	

554734-017 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
beta-BHC	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
gamma-BHC	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
delta-BHC	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Heptachlor	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Aldrin	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Heptachlor epoxide	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endosulfan I	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Dieldrin	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
4,4'-DDE	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endrin	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endosulfan II	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endosulfan sulfate	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
4,4'-DDD	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endrin aldehyde	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Endrin ketone	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
4,4'-DDT	ND		ug/Kg	5.0	1	397317	03/06/26	03/09/26	HQN
Methoxychlor	ND		ug/Kg	10	1	397317	03/06/26	03/09/26	HQN
Toxaphene	ND		ug/Kg	100	1	397317	03/06/26	03/09/26	HQN
Chlordane (Technical)	ND		ug/Kg	50	1	397317	03/06/26	03/09/26	HQN
Surrogates				**Limits**					
TCMX	82%		%REC	58-120	1	397317	03/06/26	03/09/26	HQN
Decachlorobiphenyl	71%		%REC	47-120	1	397317	03/06/26	03/09/26	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: CG-54-0.5	Lab ID: 554734-018	Collected: 02/23/26
	Matrix: Soil	

554734-018 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
beta-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
gamma-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
delta-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Heptachlor	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Aldrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Heptachlor epoxide	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endosulfan I	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Dieldrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
4,4'-DDE	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endosulfan II	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endosulfan sulfate	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
4,4'-DDD	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endrin aldehyde	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Endrin ketone	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
4,4'-DDT	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/11/26	KMB
Methoxychlor	ND	H	ug/Kg	10	1	397707	03/11/26	03/11/26	KMB
Toxaphene	ND	H	ug/Kg	100	1	397707	03/11/26	03/11/26	KMB
Chlordane (Technical)	ND	H	ug/Kg	51	1	397707	03/11/26	03/11/26	KMB
Surrogates				**Limits**					
TCMX	93%	H	%REC	58-120	1	397707	03/11/26	03/11/26	KMB
Decachlorobiphenyl	80%	H	%REC	47-120	1	397707	03/11/26	03/11/26	KMB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 554734

Sample ID: CG-54-2.5	Lab ID: 554734-019	Collected: 02/23/26
	Matrix: Soil	

554734-019 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
beta-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
gamma-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
delta-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Heptachlor	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Aldrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Heptachlor epoxide	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan I	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Dieldrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDE	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan II	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan sulfate	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDD	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin aldehyde	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin ketone	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDT	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Methoxychlor	ND	H	ug/Kg	9.8	0.98	397707	03/11/26	03/12/26	KMB
Toxaphene	ND	H	ug/Kg	98	0.98	397707	03/11/26	03/12/26	KMB
Chlordane (Technical)	ND	H	ug/Kg	49	0.98	397707	03/11/26	03/12/26	KMB
Surrogates				**Limits**					
TCMX	99%	H	%REC	58-120	0.98	397707	03/11/26	03/12/26	KMB
Decachlorobiphenyl	93%	H	%REC	47-120	0.98	397707	03/11/26	03/12/26	KMB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 554734

Sample ID: CG-09-0.5	Lab ID: 554734-020	Collected: 02/10/26
	Matrix: Soil	

554734-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
beta-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
gamma-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
delta-BHC	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Heptachlor	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Aldrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Heptachlor epoxide	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endosulfan I	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Dieldrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
4,4'-DDE	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endrin	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endosulfan II	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endosulfan sulfate	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
4,4'-DDD	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endrin aldehyde	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Endrin ketone	ND	H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
4,4'-DDT	**8.0**	C,H	ug/Kg	5.1	1	397707	03/11/26	03/12/26	KMB
Methoxychlor	ND	H	ug/Kg	10	1	397707	03/11/26	03/12/26	KMB
Toxaphene	ND	H	ug/Kg	100	1	397707	03/11/26	03/12/26	KMB
Chlordane (Technical)	ND	H	ug/Kg	51	1	397707	03/11/26	03/12/26	KMB
Surrogates				**Limits**					
TCMX	93%	H	%REC	58-120	1	397707	03/11/26	03/12/26	KMB
Decachlorobiphenyl	99%	H	%REC	47-120	1	397707	03/11/26	03/12/26	KMB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 554734

Sample ID: CG-09-2.5	Lab ID: 554734-021	Collected: 02/10/26
	Matrix: Soil	

554734-021 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
beta-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
gamma-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
delta-BHC	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Heptachlor	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Aldrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Heptachlor epoxide	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan I	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Dieldrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDE	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan II	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endosulfan sulfate	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDD	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin aldehyde	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Endrin ketone	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
4,4'-DDT	ND	H	ug/Kg	4.9	0.98	397707	03/11/26	03/12/26	KMB
Methoxychlor	ND	H	ug/Kg	9.8	0.98	397707	03/11/26	03/12/26	KMB
Toxaphene	ND	H	ug/Kg	98	0.98	397707	03/11/26	03/12/26	KMB
Chlordane (Technical)	ND	H	ug/Kg	49	0.98	397707	03/11/26	03/12/26	KMB
Surrogates				**Limits**					
TCMX	103%	H	%REC	58-120	0.98	397707	03/11/26	03/12/26	KMB
Decachlorobiphenyl	101%	H	%REC	47-120	0.98	397707	03/11/26	03/12/26	KMB

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1347042	Batch: 397209
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1347042 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/L	0.010	03/05/26	03/05/26

Type: Lab Control Sample	Lab ID: QC1347043	Batch: 397209
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3015A

QC1347043 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	0.3887	0.4000	mg/L	97%		80-120

Type: Matrix Spike	Lab ID: QC1347044	Batch: 397209
Matrix (Source ID): Water (554816-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1347044 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	3.706	0.04487	4.000	mg/L	92%		75-125	10

Type: Matrix Spike Duplicate	Lab ID: QC1347045	Batch: 397209
Matrix (Source ID): Water (554816-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1347045 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	3.586	0.04487	4.000	mg/L	89%		75-125	3	20	10

Type: Serial Dilution	Lab ID: QC1347129	Batch: 397209
Matrix (Source ID): Water (554816-001)	Method: EPA 6010B	Prep Method: EPA 3015A

QC1347129 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	ND	0.04487	mg/L				50

Type: Blank	Lab ID: QC1347016	Batch: 397204
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1347016 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	03/05/26	03/05/26

Type: Lab Control Sample	Lab ID: QC1347017	Batch: 397204
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1347017 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	108.0	100.0	mg/Kg	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1347018	Batch:	397204
Matrix (Source ID):	Soil (554734-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1347018 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	131.0	32.14	100.0	mg/Kg	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1347019	Batch:	397204
Matrix (Source ID):	Soil (554734-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1347019 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	126.2	32.14	96.15	mg/Kg	98%		75-125	1	28	0.96

Type:	Post Digest Spike	Lab ID:	QC1347175	Batch:	397204
Matrix (Source ID):	Soil (554734-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1347175 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	127.1	32.14	98.04	mg/Kg	97%		75-125	0.98

Type:	Serial Dilution	Lab ID:	QC1347176	Batch:	397204
Matrix (Source ID):	Soil (554734-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1347176 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Lead	32.24	32.14	mg/Kg				4.9

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1346899	Batch: 397174
Matrix: Water	Method: EPA 6020	Prep Method: EPA 3015A

QC1346899 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		ug/L	2.0	03/04/26	03/05/26
Arsenic	ND		ug/L	2.0	03/04/26	03/05/26
Barium	ND		ug/L	5.0	03/04/26	03/05/26
Beryllium	ND		ug/L	1.0	03/04/26	03/09/26
Cadmium	ND		ug/L	1.0	03/04/26	03/05/26
Chromium	ND		ug/L	5.0	03/04/26	03/05/26
Cobalt	ND		ug/L	1.0	03/04/26	03/05/26
Copper	ND		ug/L	3.0	03/04/26	03/05/26
Lead	ND		ug/L	5.0	03/04/26	03/05/26
Molybdenum	ND		ug/L	5.0	03/04/26	03/05/26
Nickel	ND		ug/L	5.0	03/04/26	03/05/26
Selenium	ND		ug/L	4.0	03/04/26	03/09/26
Silver	ND		ug/L	5.0	03/04/26	03/05/26
Thallium	ND		ug/L	1.0	03/04/26	03/05/26
Vanadium	ND		ug/L	5.0	03/04/26	03/05/26
Zinc	ND		ug/L	10	03/04/26	03/05/26

Type: Lab Control Sample	Lab ID: QC1346900	Batch: 397174
Matrix: Water	Method: EPA 6020	Prep Method: EPA 3015A

QC1346900 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	92.89	100.0	ug/L	93%		80-120
Arsenic	88.32	100.0	ug/L	88%		80-120
Barium	86.47	100.0	ug/L	86%		80-120
Beryllium	102.7	100.0	ug/L	103%		80-120
Cadmium	84.84	100.0	ug/L	85%		80-120
Chromium	94.01	100.0	ug/L	94%		80-120
Cobalt	95.41	100.0	ug/L	95%		80-120
Copper	96.11	100.0	ug/L	96%		80-120
Lead	87.82	100.0	ug/L	88%		80-120
Molybdenum	91.72	100.0	ug/L	92%		80-120
Nickel	96.90	100.0	ug/L	97%		80-120
Selenium	101.6	100.0	ug/L	102%		80-120
Silver	47.48	50.00	ug/L	95%		80-120
Thallium	96.22	100.0	ug/L	96%		80-120
Vanadium	93.02	100.0	ug/L	93%		80-120
Zinc	101.8	100.0	ug/L	102%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1346901	Batch:	397174
Matrix (Source ID):	Water (554613-001)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1346901 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	104.2	ND	100.0	ug/L	104%		75-125	1
Arsenic	105.6	9.851	100.0	ug/L	96%		75-125	1
Barium	142.7	51.06	100.0	ug/L	92%		75-125	1
Beryllium	99.05	ND	100.0	ug/L	99%		75-125	1
Cadmium	84.87	ND	100.0	ug/L	85%		75-125	1
Chromium	100.7	3.356	100.0	ug/L	97%		75-125	1
Cobalt	96.75	ND	100.0	ug/L	97%		75-125	1
Copper	112.0	13.19	100.0	ug/L	99%		75-125	1
Lead	96.71	0.2848	100.0	ug/L	96%		75-125	1
Molybdenum	104.0	10.01	100.0	ug/L	94%		75-125	1
Nickel	96.03	ND	100.0	ug/L	96%		75-125	1
Selenium	106.7	ND	100.0	ug/L	107%		75-125	1
Silver	45.68	ND	50.00	ug/L	91%		75-125	1
Thallium	95.18	ND	100.0	ug/L	95%		75-125	1
Vanadium	100.4	2.590	100.0	ug/L	98%		75-125	1
Zinc	162.6	68.73	100.0	ug/L	94%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1346902	Batch:	397174
Matrix (Source ID):	Water (554613-001)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1346902 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	106.9	ND	100.0	ug/L	107%		75-125	3	20	1
Arsenic	101.0	9.851	100.0	ug/L	91%		75-125	4	20	1
Barium	144.5	51.06	100.0	ug/L	93%		75-125	1	20	1
Beryllium	98.14	ND	100.0	ug/L	98%		75-125	1	20	1
Cadmium	85.51	ND	100.0	ug/L	86%		75-125	1	20	1
Chromium	98.77	3.356	100.0	ug/L	95%		75-125	2	20	1
Cobalt	95.23	ND	100.0	ug/L	95%		75-125	2	20	1
Copper	109.3	13.19	100.0	ug/L	96%		75-125	3	20	1
Lead	96.09	0.2848	100.0	ug/L	96%		75-125	1	20	1
Molybdenum	106.7	10.01	100.0	ug/L	97%		75-125	3	20	1
Nickel	94.97	ND	100.0	ug/L	95%		75-125	1	20	1
Selenium	109.6	ND	100.0	ug/L	110%		75-125	3	21	1
Silver	46.20	ND	50.00	ug/L	92%		75-125	1	25	1
Thallium	95.51	ND	100.0	ug/L	96%		75-125	0	20	1
Vanadium	98.15	2.590	100.0	ug/L	96%		75-125	2	20	1
Zinc	155.6	68.73	100.0	ug/L	87%		75-125	4	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1346903	Batch:	397174
Matrix (Source ID):	Water (554617-001)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1346903 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	105.8	ND	100.0	ug/L	106%		75-125	1
Arsenic	97.65	2.395	100.0	ug/L	95%		75-125	1
Barium	176.4	84.02	100.0	ug/L	92%		75-125	1
Beryllium	97.24	ND	100.0	ug/L	97%		75-125	1
Cadmium	86.45	ND	100.0	ug/L	86%		75-125	1
Chromium	104.7	7.743	100.0	ug/L	97%		75-125	1
Cobalt	97.76	ND	100.0	ug/L	98%		75-125	1
Copper	108.1	8.862	100.0	ug/L	99%		75-125	1
Lead	100.4	3.140	100.0	ug/L	97%		75-125	1
Molybdenum	112.3	16.75	100.0	ug/L	96%		75-125	1
Nickel	98.43	ND	100.0	ug/L	98%		75-125	1
Selenium	104.6	ND	100.0	ug/L	105%		75-125	1
Silver	46.70	ND	50.00	ug/L	93%		75-125	1
Thallium	96.14	ND	100.0	ug/L	96%		75-125	1
Vanadium	105.3	6.877	100.0	ug/L	98%		75-125	1
Zinc	134.5	40.08	100.0	ug/L	94%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1346904	Batch:	397174
Matrix (Source ID):	Water (554617-001)	Method:	EPA 6020	Prep Method:	EPA 3015A

QC1346904 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	105.7	ND	100.0	ug/L	106%		75-125	0	20	1
Arsenic	92.22	2.395	100.0	ug/L	90%		75-125	6	20	1
Barium	171.3	84.02	100.0	ug/L	87%		75-125	3	20	1
Beryllium	97.68	ND	100.0	ug/L	98%		75-125	0	20	1
Cadmium	84.57	ND	100.0	ug/L	85%		75-125	2	20	1
Chromium	100.7	7.743	100.0	ug/L	93%		75-125	4	20	1
Cobalt	93.80	ND	100.0	ug/L	94%		75-125	4	20	1
Copper	104.3	8.862	100.0	ug/L	95%		75-125	4	20	1
Lead	99.64	3.140	100.0	ug/L	96%		75-125	1	20	1
Molybdenum	112.9	16.75	100.0	ug/L	96%		75-125	1	20	1
Nickel	95.00	ND	100.0	ug/L	95%		75-125	4	20	1
Selenium	105.3	ND	100.0	ug/L	105%		75-125	1	21	1
Silver	47.26	ND	50.00	ug/L	95%		75-125	1	25	1
Thallium	95.26	ND	100.0	ug/L	95%		75-125	1	20	1
Vanadium	100.6	6.877	100.0	ug/L	94%		75-125	5	20	1
Zinc	126.7	40.08	100.0	ug/L	87%		75-125	6	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1347324	Batch: 397286
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3051A

QC1347324 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	0.50	03/05/26	03/06/26
Arsenic	ND		mg/Kg	0.50	03/05/26	03/09/26
Barium	ND		mg/Kg	0.10	03/05/26	03/06/26
Beryllium	ND		mg/Kg	0.10	03/05/26	03/09/26
Cadmium	ND		mg/Kg	0.10	03/05/26	03/06/26
Chromium	ND		mg/Kg	0.50	03/05/26	03/09/26
Cobalt	ND		mg/Kg	0.10	03/05/26	03/09/26
Copper	ND		mg/Kg	1.0	03/05/26	03/09/26
Lead	ND		mg/Kg	0.10	03/05/26	03/09/26
Molybdenum	ND		mg/Kg	0.10	03/05/26	03/06/26
Nickel	ND		mg/Kg	0.10	03/05/26	03/09/26
Selenium	ND		mg/Kg	1.0	03/05/26	03/09/26
Silver	ND		mg/Kg	0.10	03/05/26	03/06/26
Thallium	ND		mg/Kg	0.10	03/05/26	03/09/26
Vanadium	ND		mg/Kg	0.50	03/05/26	03/09/26
Zinc	ND		mg/Kg	2.5	03/05/26	03/09/26

Type: Lab Control Sample	Lab ID: QC1347325	Batch: 397286
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3051A

QC1347325 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	10.39	10.00	mg/Kg	104%		80-120
Arsenic	10.43	10.00	mg/Kg	104%		80-120
Barium	9.871	10.00	mg/Kg	99%		80-120
Beryllium	11.66	10.00	mg/Kg	117%		80-120
Cadmium	9.642	10.00	mg/Kg	96%		80-120
Chromium	11.55	10.00	mg/Kg	116%		80-120
Cobalt	11.82	10.00	mg/Kg	118%		80-120
Copper	11.73	10.00	mg/Kg	117%		80-120
Lead	10.93	10.00	mg/Kg	109%		80-120
Molybdenum	9.202	10.00	mg/Kg	92%		80-120
Nickel	11.92	10.00	mg/Kg	119%		80-120
Selenium	10.05	10.00	mg/Kg	101%		80-120
Silver	5.052	5.000	mg/Kg	101%		80-120
Thallium	10.86	10.00	mg/Kg	109%		80-120
Vanadium	11.40	10.00	mg/Kg	114%		80-120
Zinc	10.56	10.00	mg/Kg	106%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1347326	Batch:	397286
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 6020	Prep Method:	EPA 3051A

QC1347326 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	10.88	0.3859	10.75	mg/Kg	98%		75-125	0.11
Arsenic	14.62	3.784	10.75	mg/Kg	101%		75-125	0.11
Barium	236.1	168.8	10.75	mg/Kg	627%	NM	75-125	2.2
Beryllium	9.227	0.5014	10.75	mg/Kg	81%		75-125	0.11
Cadmium	10.34	0.1350	10.75	mg/Kg	95%		75-125	0.11
Chromium	39.30	28.61	10.75	mg/Kg	99%		75-125	2.2
Cobalt	25.48	12.67	10.75	mg/Kg	119%		75-125	2.2
Copper	24.78	15.18	10.75	mg/Kg	89%		75-125	0.11
Lead	17.06	6.000	10.75	mg/Kg	103%		75-125	0.11
Molybdenum	12.81	1.874	10.75	mg/Kg	102%		75-125	2.2
Nickel	34.14	20.89	10.75	mg/Kg	123%		75-125	2.2
Selenium	10.50	0.5779	10.75	mg/Kg	92%		75-125	0.11
Silver	5.153	0.03287	5.376	mg/Kg	95%		75-125	0.11
Thallium	11.51	0.2050	10.75	mg/Kg	105%		75-125	0.11
Vanadium	73.19	64.25	10.75	mg/Kg	83%	NM	75-125	2.2
Zinc	76.86	56.79	10.75	mg/Kg	187%	NM	75-125	2.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1347327	Batch:	397286
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 6020	Prep Method:	EPA 3051A

QC1347327 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	10.06	0.3859	10.20	mg/Kg	95%		75-125	3	28	0.1
Arsenic	13.47	3.784	10.20	mg/Kg	95%		75-125	4	22	0.1
Barium	167.0	168.8	10.20	mg/Kg	-17%	NM	75-125	34*	26	2
Beryllium	8.543	0.5014	10.20	mg/Kg	79%		75-125	3	20	0.1
Cadmium	9.638	0.1350	10.20	mg/Kg	93%		75-125	2	20	0.1
Chromium	38.44	28.61	10.20	mg/Kg	96%		75-125	1	20	2
Cobalt	23.16	12.67	10.20	mg/Kg	103%		75-125	7	20	2
Copper	21.99	15.18	10.20	mg/Kg	67%	*	75-125	10	28	0.1
Lead	17.83	6.000	10.20	mg/Kg	116%		75-125	8	25	0.1
Molybdenum	10.61	1.874	10.20	mg/Kg	86%		75-125	14	20	2
Nickel	30.45	20.89	10.20	mg/Kg	94%		75-125	10	20	2
Selenium	10.31	0.5779	10.20	mg/Kg	95%		75-125	3	20	0.1
Silver	4.969	0.03287	5.102	mg/Kg	97%		75-125	2	20	0.1
Thallium	11.88	0.2050	10.20	mg/Kg	114%		75-125	8	20	0.1
Vanadium	69.38	64.25	10.20	mg/Kg	50%	NM	75-125	5	20	2
Zinc	73.84	56.79	10.20	mg/Kg	167%	NM	75-125	3	22	2

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Batch QC

Type:	Serial Dilution	Lab ID:	QC1347371	Batch:	397286
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 6020	Prep Method:	EPA 3051A

QC1347371 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	0.3859	mg/Kg				0.53
Arsenic	3.977	3.784	mg/Kg				0.53
Barium	171.1	168.8	mg/Kg				11
Beryllium	0.6383	0.5014	mg/Kg				0.53
Cadmium	ND	0.1350	mg/Kg				0.53
Chromium	29.46	28.61	mg/Kg	J			11
Cobalt	12.66	12.67	mg/Kg				11
Copper	19.03	15.18	mg/Kg				0.53
Lead	5.842	6.000	mg/Kg				0.53
Molybdenum	ND	1.874	mg/Kg				11
Nickel	20.24	20.89	mg/Kg				11
Selenium	ND	0.5779	mg/Kg				0.53
Silver	ND	0.03287	mg/Kg				0.53
Thallium	0.1957	0.2050	mg/Kg	J			0.53
Vanadium	63.59	64.25	mg/Kg				11
Zinc	61.02	56.79	mg/Kg				0.53

Type:	Post Digest Spike	Lab ID:	QC1347372	Batch:	397286
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 6020	Prep Method:	EPA 3051A

QC1347372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	12.66	0.3859	10.64	mg/Kg	115%		75-125	0.11
Arsenic	13.90	3.784	10.64	mg/Kg	95%		75-125	0.11
Barium	160.0	168.8	10.64	mg/Kg	-82%	NM	75-125	2.1
Beryllium	9.188	0.5014	10.64	mg/Kg	82%		75-125	0.11
Cadmium	11.30	0.1350	10.64	mg/Kg	105%		75-125	0.11
Chromium	37.35	28.61	10.64	mg/Kg	82%		75-125	2.1
Cobalt	23.72	12.67	10.64	mg/Kg	104%		75-125	2.1
Copper	23.42	15.18	10.64	mg/Kg	78%		75-125	0.11
Lead	15.98	6.000	10.64	mg/Kg	94%		75-125	0.11
Molybdenum	12.30	1.874	10.64	mg/Kg	98%		75-125	2.1
Nickel	30.90	20.89	10.64	mg/Kg	94%		75-125	2.1
Selenium	10.37	0.5779	10.64	mg/Kg	92%		75-125	0.11
Silver	5.654	0.03287	5.319	mg/Kg	106%		75-125	0.11
Thallium	10.82	0.2050	10.64	mg/Kg	100%		75-125	0.11
Vanadium	69.45	64.25	10.64	mg/Kg	49%	NM	75-125	2.1
Zinc	63.33	56.79	10.64	mg/Kg	62%	NM	75-125	0.11

Type:	Blank	Lab ID:	QC1346991	Batch:	397199
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1346991 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	03/05/26	03/05/26

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Batch QC

Type:	Lab Control Sample	Lab ID:	QC1346992	Batch:	397199
Matrix:	Water	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1346992 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.930	5.000	ug/L	99%		80-120

Type:	Matrix Spike	Lab ID:	QC1346995	Batch:	397199
Matrix (Source ID):	Water (554816-003)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1346995 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	936.0	ND	1000	ug/L	94%		75-125	200

Type:	Matrix Spike Duplicate	Lab ID:	QC1346996	Batch:	397199
Matrix (Source ID):	Water (554816-003)	Method:	EPA 7470A	Prep Method:	EPA 7470A

QC1346996 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	928.2	ND	1000	ug/L	93%		75-125	1	20	200

Type:	Blank	Lab ID:	QC1347435	Batch:	397320
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1347435 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/06/26	03/06/26

Type:	Lab Control Sample	Lab ID:	QC1347436	Batch:	397320
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1347436 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8238	0.8333	mg/Kg	99%		80-120

Type:	Matrix Spike	Lab ID:	QC1347437	Batch:	397320
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1347437 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8077	ND	0.8475	mg/Kg	95%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1347438	Batch:	397320
Matrix (Source ID):	Soil (554734-003)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1347438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9393	ND	0.9804	mg/Kg	96%		75-125	1	20	1.2

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Batch QC

Type: Blank	Lab ID: QC1346741	Batch: 397136
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1346741 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/L	0.10	03/04/26	03/04/26
ORO C28-C44	ND		mg/L	0.30	03/04/26	03/04/26
Surrogates				**Limits**		
n-Triacontane	85%		%REC	43-139	03/04/26	03/04/26

Type: Lab Control Sample	Lab ID: QC1346742	Batch: 397136
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1346742 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.8413	1.000	mg/L	84%		51-120
Surrogates						
n-Triacontane	0.01686	0.02000	mg/L	84%		43-139

Type: Lab Control Sample Duplicate	Lab ID: QC1346743	Batch: 397136
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC1346743 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.9549	1.000	mg/L	95%		51-120	13	37
Surrogates								
n-Triacontane	0.01740	0.02000	mg/L	87%		43-139		

Type: Lab Control Sample	Lab ID: QC1346980	Batch: 397196
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1346980 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	589.3	500.0	ug/L	118%		80-131
Surrogates						
Bromofluorobenzene (FID)	186.8	200.0	ug/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1346981	Batch: 397196
Matrix (Source ID): Water (554618-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1346981 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	602.8	ND	500.0	ug/L	121%		80-128	1
Surrogates								
Bromofluorobenzene (FID)	163.8		200.0	ug/L	82%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1346982	Batch:	397196
Matrix (Source ID):	Water (554618-001)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1346982 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	619.2	ND	500.0	ug/L	124%		80-128	3	20	1
Surrogates										
Bromofluorobenzene (FID)	209.0		200.0	ug/L	105%		80-120			1

Type:	Blank	Lab ID:	QC1346983	Batch:	397196
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1346983 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	03/05/26	03/05/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	87%		%REC	80-120	03/05/26	03/05/26

Type:	Lab Control Sample	Lab ID:	QC1347417	Batch:	397315
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1347417 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.544	5.000	mg/Kg	111%		80-124
Surrogates						
Bromofluorobenzene (FID)	0.1722	0.2000	mg/Kg	86%		59-122

Type:	Lab Control Sample Duplicate	Lab ID:	QC1347418	Batch:	397315
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1347418 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.546	5.000	mg/Kg	111%		80-124	0	20
Surrogates								
Bromofluorobenzene (FID)	0.1725	0.2000	mg/Kg	86%		59-122		

Type:	Blank	Lab ID:	QC1347419	Batch:	397315
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5035

QC1347419 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/06/26	03/06/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	88%		%REC	59-122	03/06/26	03/06/26

Batch QC

Type: Blank	Lab ID: QC1347676	Batch: 397386
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1347676 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10	03/06/26	03/07/26
DRO C10-C28	ND		mg/Kg	10	03/06/26	03/07/26
ORO C28-C44	ND		mg/Kg	20	03/06/26	03/07/26
Surrogates				**Limits**		
n-Triacontane	86%		%REC	59-136	03/06/26	03/07/26

Type: Lab Control Sample	Lab ID: QC1347677	Batch: 397386
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1347677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	214.6	248.3	mg/Kg	86%		61-120
Surrogates						
n-Triacontane	8.049	9.930	mg/Kg	81%		59-136

Type: Matrix Spike	Lab ID: QC1347678	Batch: 397386
Matrix (Source ID): Soil (554734-008)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1347678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	219.6	ND	247.8	mg/Kg	89%		47-127	0.99
Surrogates								
n-Triacontane	8.235		9.911	mg/Kg	83%		59-136	0.99

Type: Matrix Spike Duplicate	Lab ID: QC1347679	Batch: 397386
Matrix (Source ID): Soil (554734-008)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1347679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	221.5	ND	249.6	mg/Kg	89%		47-127	0	48	1
Surrogates										
n-Triacontane	8.261		9.985	mg/Kg	83%		59-136			1

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1347423**	**Batch:**	**397317**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1347423 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.1	03/06/26	03/08/26
beta-BHC	ND		ug/Kg	5.1	03/06/26	03/08/26
gamma-BHC	ND		ug/Kg	5.1	03/06/26	03/08/26
delta-BHC	ND		ug/Kg	5.1	03/06/26	03/08/26
Heptachlor	ND		ug/Kg	5.1	03/06/26	03/08/26
Aldrin	ND		ug/Kg	5.1	03/06/26	03/08/26
Heptachlor epoxide	ND		ug/Kg	5.1	03/06/26	03/08/26
Endosulfan I	ND		ug/Kg	5.1	03/06/26	03/08/26
Dieldrin	ND		ug/Kg	5.1	03/06/26	03/08/26
4,4'-DDE	ND		ug/Kg	5.1	03/06/26	03/08/26
Endrin	ND		ug/Kg	5.1	03/06/26	03/08/26
Endosulfan II	ND		ug/Kg	5.1	03/06/26	03/08/26
Endosulfan sulfate	ND		ug/Kg	5.1	03/06/26	03/08/26
4,4'-DDD	ND		ug/Kg	5.1	03/06/26	03/08/26
Endrin aldehyde	ND		ug/Kg	5.1	03/06/26	03/08/26
Endrin ketone	ND		ug/Kg	5.1	03/06/26	03/08/26
4,4'-DDT	ND		ug/Kg	5.1	03/06/26	03/08/26
Methoxychlor	ND		ug/Kg	10	03/06/26	03/08/26
Toxaphene	ND		ug/Kg	100	03/06/26	03/08/26
Chlordane (Technical)	ND		ug/Kg	51	03/06/26	03/08/26
Surrogates				**Limits**		
TCMX	82%		%REC	58-120	03/06/26	03/08/26
Decachlorobiphenyl	66%		%REC	47-120	03/06/26	03/08/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1347424**	**Batch: 397317**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1347424 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	46.67	49.50	ug/Kg	94%		53-132
beta-BHC	46.51	49.50	ug/Kg	94%		59-131
gamma-BHC	47.92	49.50	ug/Kg	97%		54-132
delta-BHC	45.94	49.50	ug/Kg	93%		54-134
Heptachlor	43.23	49.50	ug/Kg	87%		50-130
Aldrin	39.29	49.50	ug/Kg	79%		46-120
Heptachlor epoxide	41.46	49.50	ug/Kg	84%		52-127
Endosulfan I	43.47	49.50	ug/Kg	88%		53-132
Dieldrin	40.98	49.50	ug/Kg	83%		53-134
4,4'-DDE	41.96	49.50	ug/Kg	85%		53-140
Endrin	42.44	49.50	ug/Kg	86%		53-142
Endosulfan II	41.09	49.50	ug/Kg	83%		53-138
Endosulfan sulfate	40.06	49.50	ug/Kg	81%		50-134
4,4'-DDD	36.67	49.50	ug/Kg	74%	#	50-136
Endrin aldehyde	32.57	49.50	ug/Kg	66%		15-120
Endrin ketone	41.76	49.50	ug/Kg	84%		50-146
4,4'-DDT	42.17	49.50	ug/Kg	85%		46-142
Methoxychlor	40.66	49.50	ug/Kg	82%	#	48-156
Surrogates						
TCMX	40.20	49.50	ug/Kg	81%		58-120
Decachlorobiphenyl	33.33	49.50	ug/Kg	67%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1347425**	**Batch:**	**397317**
Matrix (Source ID):	**Soil (554895-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1347425 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	47.97	ND	50.51	ug/Kg	95%		52-120	1
beta-BHC	46.74	ND	50.51	ug/Kg	93%		57-126	1
gamma-BHC	49.18	ND	50.51	ug/Kg	97%		54-122	1
delta-BHC	47.50	ND	50.51	ug/Kg	94%		44-127	1
Heptachlor	44.15	ND	50.51	ug/Kg	87%		51-122	1
Aldrin	42.79	ND	50.51	ug/Kg	85%		51-120	1
Heptachlor epoxide	42.17	ND	50.51	ug/Kg	83%		50-122	1
Endosulfan I	43.61	ND	50.51	ug/Kg	86%		48-123	1
Dieldrin	45.75	10.59	50.51	ug/Kg	70%		48-128	1
4,4'-DDE	58.48	78.25	50.51	ug/Kg	-39%	*	50-139	1
Endrin	41.99	ND	50.51	ug/Kg	83%		53-132	1
Endosulfan II	40.91	ND	50.51	ug/Kg	81%		47-131	1
Endosulfan sulfate	41.30	ND	50.51	ug/Kg	82%		40-126	1
4,4'-DDD	37.42	ND	50.51	ug/Kg	74%	#	48-130	1
Endrin aldehyde	35.30	ND	50.51	ug/Kg	70%		26-120	1
Endrin ketone	41.81	ND	50.51	ug/Kg	83%		51-133	1
4,4'-DDT	72.88	146.2	50.51	ug/Kg	-145%	*	40-144	1
Methoxychlor	43.48	ND	50.51	ug/Kg	86%	#	49-148	1
Surrogates								
TCMX	41.28		50.51	ug/Kg	82%		58-120	1
Decachlorobiphenyl	33.16		50.51	ug/Kg	66%		47-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1347426**	**Batch:**	**397317**
Matrix (Source ID):	**Soil (554895-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1347426 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	47.56	ND	49.02	ug/Kg	97%		52-120	2	37	0.98
beta-BHC	45.97	ND	49.02	ug/Kg	94%		57-126	1	38	0.98
gamma-BHC	48.84	ND	49.02	ug/Kg	100%		54-122	2	39	0.98
delta-BHC	46.94	ND	49.02	ug/Kg	96%		44-127	2	54	0.98
Heptachlor	43.90	ND	49.02	ug/Kg	90%		51-122	2	44	0.98
Aldrin	42.00	ND	49.02	ug/Kg	86%		51-120	1	39	0.98
Heptachlor epoxide	41.79	ND	49.02	ug/Kg	85%		50-122	2	39	0.98
Endosulfan I	43.04	ND	49.02	ug/Kg	88%		48-123	2	47	0.98
Dieldrin	46.81	10.59	49.02	ug/Kg	74%		48-128	5	43	0.98
4,4'-DDE	56.26	78.25	49.02	ug/Kg	-45%	*	50-139	3	42	0.98
Endrin	40.86	ND	49.02	ug/Kg	83%		53-132	0	45	0.98
Endosulfan II	39.97	ND	49.02	ug/Kg	82%		47-131	1	46	0.98
Endosulfan sulfate	40.55	ND	49.02	ug/Kg	83%		40-126	1	52	0.98
4,4'-DDD	36.28	ND	49.02	ug/Kg	74%	#	48-130	0	46	0.98
Endrin aldehyde	34.67	ND	49.02	ug/Kg	71%		26-120	1	57	0.98
Endrin ketone	40.49	ND	49.02	ug/Kg	83%		51-133	0	43	0.98
4,4'-DDT	74.54	146.2	49.02	ug/Kg	-146%	*	40-144	3	56	0.98
Methoxychlor	42.62	ND	49.02	ug/Kg	87%	#	49-148	1	53	0.98
Surrogates										
TCMX	40.63		49.02	ug/Kg	83%		58-120			0.98
Decachlorobiphenyl	32.29		49.02	ug/Kg	66%		47-120			0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1348873**	**Batch:**	**397707**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1348873 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.1	03/11/26	03/11/26
beta-BHC	ND		ug/Kg	5.1	03/11/26	03/11/26
gamma-BHC	ND		ug/Kg	5.1	03/11/26	03/11/26
delta-BHC	ND		ug/Kg	5.1	03/11/26	03/11/26
Heptachlor	ND		ug/Kg	5.1	03/11/26	03/11/26
Aldrin	ND		ug/Kg	5.1	03/11/26	03/11/26
Heptachlor epoxide	ND		ug/Kg	5.1	03/11/26	03/11/26
Endosulfan I	ND		ug/Kg	5.1	03/11/26	03/11/26
Dieldrin	ND		ug/Kg	5.1	03/11/26	03/11/26
4,4'-DDE	ND		ug/Kg	5.1	03/11/26	03/11/26
Endrin	ND		ug/Kg	5.1	03/11/26	03/11/26
Endosulfan II	ND		ug/Kg	5.1	03/11/26	03/11/26
Endosulfan sulfate	ND		ug/Kg	5.1	03/11/26	03/11/26
4,4'-DDD	ND		ug/Kg	5.1	03/11/26	03/11/26
Endrin aldehyde	ND		ug/Kg	5.1	03/11/26	03/11/26
Endrin ketone	ND		ug/Kg	5.1	03/11/26	03/11/26
4,4'-DDT	ND		ug/Kg	5.1	03/11/26	03/11/26
Methoxychlor	ND		ug/Kg	10	03/11/26	03/11/26
Toxaphene	ND		ug/Kg	100	03/11/26	03/11/26
Chlordane (Technical)	ND		ug/Kg	51	03/11/26	03/11/26
Surrogates				**Limits**		
TCMX	102%		%REC	58-120	03/11/26	03/11/26
Decachlorobiphenyl	96%		%REC	47-120	03/11/26	03/11/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1348874**	**Batch: 397707**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1348874 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	51.76	49.50	ug/Kg	105%		53-132
beta-BHC	54.40	49.50	ug/Kg	110%		59-131
gamma-BHC	52.52	49.50	ug/Kg	106%		54-132
delta-BHC	54.03	49.50	ug/Kg	109%		54-134
Heptachlor	50.51	49.50	ug/Kg	102%		50-130
Aldrin	43.32	49.50	ug/Kg	88%		46-120
Heptachlor epoxide	48.57	49.50	ug/Kg	98%		52-127
Endosulfan I	50.83	49.50	ug/Kg	103%		53-132
Dieldrin	49.72	49.50	ug/Kg	100%		53-134
4,4'-DDE	52.74	49.50	ug/Kg	107%		53-140
Endrin	51.91	49.50	ug/Kg	105%		53-142
Endosulfan II	51.99	49.50	ug/Kg	105%		53-138
Endosulfan sulfate	48.75	49.50	ug/Kg	98%		50-134
4,4'-DDD	49.67	49.50	ug/Kg	100%		50-136
Endrin aldehyde	44.63	49.50	ug/Kg	90%		15-120
Endrin ketone	51.60	49.50	ug/Kg	104%		50-146
4,4'-DDT	49.41	49.50	ug/Kg	100%		46-142
Methoxychlor	53.29	49.50	ug/Kg	108%		48-156
Surrogates						
TCMX	48.31	49.50	ug/Kg	98%		58-120
Decachlorobiphenyl	43.65	49.50	ug/Kg	88%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1348876**	**Batch:**	**397707**
Matrix (Source ID):	**Soil (555087-004)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1348876 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	50.68	ND	50.00	ug/Kg	101%		52-120	1
beta-BHC	53.95	ND	50.00	ug/Kg	108%		57-126	1
gamma-BHC	49.82	ND	50.00	ug/Kg	100%		54-122	1
delta-BHC	50.75	ND	50.00	ug/Kg	101%		44-127	1
Heptachlor	44.98	ND	50.00	ug/Kg	90%		51-122	1
Aldrin	41.08	ND	50.00	ug/Kg	82%		51-120	1
Heptachlor epoxide	41.27	ND	50.00	ug/Kg	83%		50-122	1
Endosulfan I	43.99	ND	50.00	ug/Kg	88%		48-123	1
Dieldrin	45.27	ND	50.00	ug/Kg	91%		48-128	1
4,4'-DDE	45.81	ND	50.00	ug/Kg	92%		50-139	1
Endrin	47.17	ND	50.00	ug/Kg	94%		53-132	1
Endosulfan II	46.64	ND	50.00	ug/Kg	93%		47-131	1
Endosulfan sulfate	45.95	ND	50.00	ug/Kg	92%		40-126	1
4,4'-DDD	43.13	ND	50.00	ug/Kg	86%		48-130	1
Endrin aldehyde	39.81	ND	50.00	ug/Kg	80%		26-120	1
Endrin ketone	45.20	ND	50.00	ug/Kg	90%		51-133	1
4,4'-DDT	42.59	ND	50.00	ug/Kg	85%		40-144	1
Methoxychlor	47.53	ND	50.00	ug/Kg	95%		49-148	1
Surrogates								
TCMX	46.29		50.00	ug/Kg	93%		58-120	1
Decachlorobiphenyl	38.47		50.00	ug/Kg	77%		47-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1348877**	**Batch:**	**397707**
Matrix (Source ID):	**Soil (555087-004)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1348877 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	51.88	ND	50.00	ug/Kg	104%		52-120	2	37	1
beta-BHC	54.48	ND	50.00	ug/Kg	109%		57-126	1	38	1
gamma-BHC	51.50	ND	50.00	ug/Kg	103%		54-122	3	39	1
delta-BHC	51.82	ND	50.00	ug/Kg	104%		44-127	2	54	1
Heptachlor	48.15	ND	50.00	ug/Kg	96%		51-122	7	44	1
Aldrin	43.58	ND	50.00	ug/Kg	87%		51-120	6	39	1
Heptachlor epoxide	43.72	ND	50.00	ug/Kg	87%		50-122	6	39	1
Endosulfan I	48.04	ND	50.00	ug/Kg	96%		48-123	9	47	1
Dieldrin	48.34	ND	50.00	ug/Kg	97%		48-128	7	43	1
4,4'-DDE	48.94	ND	50.00	ug/Kg	98%		50-139	7	42	1
Endrin	49.36	ND	50.00	ug/Kg	99%		53-132	5	45	1
Endosulfan II	48.26	ND	50.00	ug/Kg	97%		47-131	3	46	1
Endosulfan sulfate	47.13	ND	50.00	ug/Kg	94%		40-126	3	52	1
4,4'-DDD	44.61	ND	50.00	ug/Kg	89%		48-130	3	46	1
Endrin aldehyde	41.52	ND	50.00	ug/Kg	83%		26-120	4	57	1
Endrin ketone	46.93	ND	50.00	ug/Kg	94%		51-133	4	43	1
4,4'-DDT	44.13	ND	50.00	ug/Kg	88%		40-144	4	56	1
Methoxychlor	49.67	ND	50.00	ug/Kg	99%		49-148	4	53	1
Surrogates										
TCMX	47.74		50.00	ug/Kg	95%		58-120			1
Decachlorobiphenyl	41.54		50.00	ug/Kg	83%		47-120			1

Type:	**Blank**	**Lab ID:**	**QC1347991**	**Batch:**	**397465**
Matrix:	**Water**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3510C**

QC1347991 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1221	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1232	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1242	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1248	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1254	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1260	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1262	ND		ug/L	0.50	03/08/26	03/08/26
Aroclor-1268	ND		ug/L	0.50	03/08/26	03/08/26
Total PCBs	ND		ug/L	0.50	03/08/26	03/08/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	86%		%REC	28-138	03/08/26	03/08/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1347994	Batch: 397465
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1347994 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.334	5.000	ug/L	87%		69-120
Aroclor-1260	4.939	5.000	ug/L	99%		72-124
Surrogates						
Decachlorobiphenyl (PCB)	0.4535	0.5000	ug/L	91%		28-138

Type: Lab Control Sample Duplicate	Lab ID: QC1347995	Batch: 397465
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1347995 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	4.726	5.000	ug/L	95%		69-120	9	22
Aroclor-1260	4.872	5.000	ug/L	97%		72-124	1	25
Surrogates								
Decachlorobiphenyl (PCB)	0.4885	0.5000	ug/L	98%		28-138		

Type: Blank	Lab ID: QC1346772	Batch: 397143
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1346772 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1221	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1232	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1242	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1248	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1254	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1260	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1262	ND		ug/Kg	50	03/04/26	03/04/26
Aroclor-1268	ND		ug/Kg	50	03/04/26	03/04/26
Total PCBs	ND		ug/Kg	50	03/04/26	03/04/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	113%		%REC	50-127	03/04/26	03/04/26

Type: Lab Control Sample	Lab ID: QC1346776	Batch: 397143
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1346776 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	507.8	495.0	ug/Kg	103%		66-120
Aroclor-1260	535.7	495.0	ug/Kg	108%		63-126
Surrogates						
Decachlorobiphenyl (PCB)	49.73	49.50	ug/Kg	100%		50-127

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1346777**	**Batch:**	**397143**
Matrix (Source ID):	**Soil (554710-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1346777 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	518.4	ND	490.2	ug/Kg	106%		60-123	2
Aroclor-1260	525.4	ND	490.2	ug/Kg	107%		55-136	2
Surrogates								
Decachlorobiphenyl (PCB)	44.72		49.02	ug/Kg	91%		50-127	2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1346778**	**Batch:**	**397143**
Matrix (Source ID):	**Soil (554710-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1346778 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	536.9	ND	490.2	ug/Kg	110%		60-123	4	37	2
Aroclor-1260	571.6	ND	490.2	ug/Kg	117%		55-136	8	41	2
Surrogates										
Decachlorobiphenyl (PCB)	48.78		49.02	ug/Kg	100%		50-127			2

Type:	**Lab Control Sample**	**Lab ID:**	**QC1347036**	**Batch:**	**397208**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1347036 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.67	50.00	ug/L	97%		69-128
MTBE	46.20	50.00	ug/L	92%		66-125
Benzene	47.62	50.00	ug/L	95%		76-121
Trichloroethene	48.24	50.00	ug/L	96%		76-124
Toluene	46.69	50.00	ug/L	93%		76-120
Chlorobenzene	45.67	50.00	ug/L	91%		78-120
Surrogates						
Dibromofluoromethane	49.18	50.00	ug/L	98%		70-130
1,2-Dichloroethane-d4	48.59	50.00	ug/L	97%		70-130
Toluene-d8	51.00	50.00	ug/L	102%		70-130
Bromofluorobenzene	55.11	50.00	ug/L	110%		70-130

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1347037**	**Batch:**	**397208**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1347037 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	50.76	50.00	ug/L	102%		69-128	4	23
MTBE	46.55	50.00	ug/L	93%		66-125	1	22
Benzene	49.90	50.00	ug/L	100%		76-121	5	21
Trichloroethene	51.05	50.00	ug/L	102%		76-124	6	22
Toluene	49.02	50.00	ug/L	98%		76-120	5	21
Chlorobenzene	49.07	50.00	ug/L	98%		78-120	7	20
Surrogates								
Dibromofluoromethane	49.84	50.00	ug/L	100%		70-130		
1,2-Dichloroethane-d4	47.88	50.00	ug/L	96%		70-130		
Toluene-d8	51.15	50.00	ug/L	102%		70-130		
Bromofluorobenzene	53.23	50.00	ug/L	106%		70-130		

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Batch QC

Type: Blank	Lab ID: QC1347041	Batch: 397208
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1347041 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	03/05/26	03/05/26
Chloromethane	ND		ug/L	0.5	03/05/26	03/05/26
Vinyl Chloride	ND		ug/L	0.5	03/05/26	03/05/26
Bromomethane	ND		ug/L	1.0	03/05/26	03/05/26
Chloroethane	ND		ug/L	0.5	03/05/26	03/05/26
Trichlorofluoromethane	ND		ug/L	0.5	03/05/26	03/05/26
Acetone	ND		ug/L	25	03/05/26	03/05/26
Freon 113	ND		ug/L	0.5	03/05/26	03/05/26
1,1-Dichloroethene	ND		ug/L	0.5	03/05/26	03/05/26
Methylene Chloride	ND		ug/L	5.0	03/05/26	03/05/26
MTBE	ND		ug/L	0.5	03/05/26	03/05/26
trans-1,2-Dichloroethene	ND		ug/L	0.5	03/05/26	03/05/26
1,1-Dichloroethane	ND		ug/L	0.5	03/05/26	03/05/26
2-Butanone	ND		ug/L	5.0	03/05/26	03/05/26
cis-1,2-Dichloroethene	ND		ug/L	0.5	03/05/26	03/05/26
2,2-Dichloropropane	ND		ug/L	0.5	03/05/26	03/05/26
Chloroform	ND		ug/L	0.5	03/05/26	03/05/26
Bromochloromethane	ND		ug/L	0.5	03/05/26	03/05/26
1,1,1-Trichloroethane	ND		ug/L	0.5	03/05/26	03/05/26
1,1-Dichloropropene	ND		ug/L	0.5	03/05/26	03/05/26
Carbon Tetrachloride	ND		ug/L	0.5	03/05/26	03/05/26
1,2-Dichloroethane	ND		ug/L	0.5	03/05/26	03/05/26
Benzene	ND		ug/L	0.5	03/05/26	03/05/26
Trichloroethene	ND		ug/L	0.5	03/05/26	03/05/26
1,2-Dichloropropane	ND		ug/L	0.5	03/05/26	03/05/26
Bromodichloromethane	ND		ug/L	0.5	03/05/26	03/05/26
Dibromomethane	ND		ug/L	0.5	03/05/26	03/05/26
4-Methyl-2-Pentanone	ND		ug/L	5.0	03/05/26	03/05/26
cis-1,3-Dichloropropene	ND		ug/L	0.5	03/05/26	03/05/26
Toluene	ND		ug/L	0.5	03/05/26	03/05/26
trans-1,3-Dichloropropene	ND		ug/L	0.5	03/05/26	03/05/26
1,1,2-Trichloroethane	ND		ug/L	0.5	03/05/26	03/05/26
1,3-Dichloropropane	ND		ug/L	0.5	03/05/26	03/05/26
Tetrachloroethene	ND		ug/L	0.5	03/05/26	03/05/26
Dibromochloromethane	ND		ug/L	0.5	03/05/26	03/05/26
1,2-Dibromoethane	ND		ug/L	0.5	03/05/26	03/05/26
Chlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	03/05/26	03/05/26
Ethylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
m,p-Xylenes	ND		ug/L	1.0	03/05/26	03/05/26
o-Xylene	ND		ug/L	0.5	03/05/26	03/05/26
Styrene	ND		ug/L	0.5	03/05/26	03/05/26
Bromoform	ND		ug/L	1.0	03/05/26	03/05/26
Propylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
Isopropylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	03/05/26	03/05/26
1,2,3-Trichloropropane	ND		ug/L	0.5	03/05/26	03/05/26

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Batch QC

QC1347041 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromobenzene	ND		ug/L	1.0	03/05/26	03/05/26
1,3,5-Trimethylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
2-Chlorotoluene	ND		ug/L	0.5	03/05/26	03/05/26
4-Chlorotoluene	ND		ug/L	0.5	03/05/26	03/05/26
tert-Butylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,2,4-Trimethylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
sec-Butylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
para-Isopropyl Toluene	ND		ug/L	0.5	03/05/26	03/05/26
1,3-Dichlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,4-Dichlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
n-Butylbenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,2-Dichlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	03/05/26	03/05/26
1,2,4-Trichlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
Hexachlorobutadiene	ND		ug/L	1.0	03/05/26	03/05/26
Naphthalene	ND		ug/L	1.0	03/05/26	03/05/26
1,2,3-Trichlorobenzene	ND		ug/L	0.5	03/05/26	03/05/26
cis-1,4-Dichloro-2-butene	ND		ug/L	2.0	03/05/26	03/05/26
trans-1,4-Dichloro-2-butene	ND		ug/L	2.0	03/05/26	03/05/26
Isopropyl Ether (DIPE)	ND		ug/L	0.5	03/05/26	03/05/26
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	03/05/26	03/05/26
tert-Butyl Alcohol (TBA)	ND		ug/L	10	03/05/26	03/05/26
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	03/05/26	03/05/26
Xylene (total)	ND		ug/L	0.5	03/05/26	03/05/26
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-130	03/05/26	03/05/26
1,2-Dichloroethane-d4	96%		%REC	70-130	03/05/26	03/05/26
Toluene-d8	103%		%REC	70-130	03/05/26	03/05/26
Bromofluorobenzene	101%		%REC	70-130	03/05/26	03/05/26

Type:	**Matrix Spike**	**Lab ID:**	**QC1347121**	**Batch:**	**397208**
Matrix (Source ID):	**Water (554689-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1347121 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	19.96	ND	20.00	ug/L	100%		62-131	1
MTBE	18.55	ND	20.00	ug/L	93%		61-124	1
Benzene	19.09	ND	20.00	ug/L	95%		70-123	1
Trichloroethene	19.61	ND	20.00	ug/L	98%		65-131	1
Toluene	18.82	ND	20.00	ug/L	94%		69-120	1
Chlorobenzene	19.39	ND	20.00	ug/L	97%		72-121	1
Surrogates								
Dibromofluoromethane	49.55		50.00	ug/L	99%		70-130	1
1,2-Dichloroethane-d4	49.19		50.00	ug/L	98%		70-130	1
Toluene-d8	50.83		50.00	ug/L	102%		70-130	1
Bromofluorobenzene	50.46		50.00	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1347122	Batch:	397208
Matrix (Source ID):	Water (554689-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1347122 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	19.74	ND	20.00	ug/L	99%		62-131	1	31	1
MTBE	17.80	ND	20.00	ug/L	89%		61-124	4	30	1
Benzene	18.39	ND	20.00	ug/L	92%		70-123	4	31	1
Trichloroethene	18.90	ND	20.00	ug/L	94%		65-131	4	31	1
Toluene	18.11	ND	20.00	ug/L	91%		69-120	4	29	1
Chlorobenzene	18.45	ND	20.00	ug/L	92%		72-121	5	29	1
Surrogates										
Dibromofluoromethane	49.81		50.00	ug/L	100%		70-130			1
1,2-Dichloroethane-d4	49.05		50.00	ug/L	98%		70-130			1
Toluene-d8	50.59		50.00	ug/L	101%		70-130			1
Bromofluorobenzene	49.81		50.00	ug/L	100%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1346891	Batch:	397173
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1346891 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	52.13	50.00	ug/Kg	104%		72-130
MTBE	51.38	50.00	ug/Kg	103%		69-127
Benzene	54.84	50.00	ug/Kg	110%		76-126
Trichloroethene	50.07	50.00	ug/Kg	100%		74-121
Toluene	46.43	50.00	ug/Kg	93%		78-121
Chlorobenzene	49.19	50.00	ug/Kg	98%		80-121
Surrogates						
Dibromofluoromethane	51.32	50.00	ug/Kg	103%		70-130
1,2-Dichloroethane-d4	43.84	50.00	ug/Kg	88%		70-130
Toluene-d8	47.48	50.00	ug/Kg	95%		70-130
Bromofluorobenzene	48.15	50.00	ug/Kg	96%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1346892	Batch:	397173
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1346892 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.80	50.00	ug/Kg	98%		72-130	7	26
MTBE	47.19	50.00	ug/Kg	94%		69-127	9	25
Benzene	52.69	50.00	ug/Kg	105%		76-126	4	24
Trichloroethene	46.42	50.00	ug/Kg	93%		74-121	8	26
Toluene	43.26	50.00	ug/Kg	87%		78-121	7	24
Chlorobenzene	45.66	50.00	ug/Kg	91%		80-121	7	23
Surrogates								
Dibromofluoromethane	52.38	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	45.87	50.00	ug/Kg	92%		70-130		
Toluene-d8	47.79	50.00	ug/Kg	96%		70-130		
Bromofluorobenzene	48.33	50.00	ug/Kg	97%		70-130		

Batch QC

Type:	Matrix Spike	Lab ID:	QC1346895	Batch:	397173
Matrix (Source ID):	Soil (554615-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1346895 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	19.77	ND	20.62	ug/Kg	96%		56-129	1
MTBE	20.43	ND	20.62	ug/Kg	99%		47-130	1
Benzene	21.61	ND	20.62	ug/Kg	105%		54-128	1
Trichloroethene	18.83	ND	20.62	ug/Kg	91%		48-128	1
Toluene	17.54	ND	20.62	ug/Kg	85%		53-123	1
Chlorobenzene	18.93	ND	20.62	ug/Kg	92%		50-125	1
Surrogates								
Dibromofluoromethane	54.02		51.55	ug/Kg	105%		70-130	1
1,2-Dichloroethane-d4	48.50		51.55	ug/Kg	94%		70-130	1
Toluene-d8	48.41		51.55	ug/Kg	94%		70-130	1
Bromofluorobenzene	49.75		51.55	ug/Kg	97%		70-130	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1346896	Batch:	397173
Matrix (Source ID):	Soil (554615-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1346896 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	20.35	ND	20.62	ug/Kg	99%		56-129	3	41	1
MTBE	20.39	ND	20.62	ug/Kg	99%		47-130	0	44	1
Benzene	21.25	ND	20.62	ug/Kg	103%		54-128	2	45	1
Trichloroethene	19.37	ND	20.62	ug/Kg	94%		48-128	3	47	1
Toluene	17.79	ND	20.62	ug/Kg	86%		53-123	1	43	1
Chlorobenzene	18.93	ND	20.62	ug/Kg	92%		50-125	0	44	1
Surrogates										
Dibromofluoromethane	52.40		51.55	ug/Kg	102%		70-130			1
1,2-Dichloroethane-d4	45.35		51.55	ug/Kg	88%		70-130			1
Toluene-d8	48.34		51.55	ug/Kg	94%		70-130			1
Bromofluorobenzene	49.61		51.55	ug/Kg	96%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1346898	Batch: 397173
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1346898 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	03/04/26	03/04/26
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/04/26	03/04/26
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	03/04/26	03/04/26
Freon 12	ND		ug/Kg	5.0	03/04/26	03/04/26
Chloromethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Vinyl Chloride	ND		ug/Kg	5.0	03/04/26	03/04/26
Bromomethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Chloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Trichlorofluoromethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Acetone	ND		ug/Kg	100	03/04/26	03/04/26
Freon 113	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1-Dichloroethene	ND		ug/Kg	5.0	03/04/26	03/04/26
Methylene Chloride	ND		ug/Kg	5.0	03/04/26	03/04/26
MTBE	ND		ug/Kg	5.0	03/04/26	03/04/26
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1-Dichloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
2-Butanone	ND		ug/Kg	100	03/04/26	03/04/26
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/04/26	03/04/26
2,2-Dichloropropane	ND		ug/Kg	5.0	03/04/26	03/04/26
Chloroform	ND		ug/Kg	5.0	03/04/26	03/04/26
Bromochloromethane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1-Dichloropropene	ND		ug/Kg	5.0	03/04/26	03/04/26
Carbon Tetrachloride	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2-Dichloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Benzene	ND		ug/Kg	5.0	03/04/26	03/04/26
Trichloroethene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2-Dichloropropane	ND		ug/Kg	5.0	03/04/26	03/04/26
Bromodichloromethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Dibromomethane	ND		ug/Kg	5.0	03/04/26	03/04/26
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	03/04/26	03/04/26
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/04/26	03/04/26
Toluene	ND		ug/Kg	5.0	03/04/26	03/04/26
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,3-Dichloropropane	ND		ug/Kg	5.0	03/04/26	03/04/26
Tetrachloroethene	ND		ug/Kg	5.0	03/04/26	03/04/26
Dibromochloromethane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2-Dibromoethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Chlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
Ethylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
m,p-Xylenes	ND		ug/Kg	10	03/04/26	03/04/26
o-Xylene	ND		ug/Kg	5.0	03/04/26	03/04/26
Styrene	ND		ug/Kg	5.0	03/04/26	03/04/26
Bromoform	ND		ug/Kg	5.0	03/04/26	03/04/26
Isopropylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26

ENTHALPY ANALYTICAL

Batch QC

QC1346898 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/04/26	03/04/26
Propylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
Bromobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
2-Chlorotoluene	ND		ug/Kg	5.0	03/04/26	03/04/26
4-Chlorotoluene	ND		ug/Kg	5.0	03/04/26	03/04/26
tert-Butylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
sec-Butylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
n-Butylbenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
Hexachlorobutadiene	ND		ug/Kg	5.0	03/04/26	03/04/26
Naphthalene	ND		ug/Kg	5.0	03/04/26	03/04/26
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/04/26	03/04/26
Xylene (total)	ND		ug/Kg	5.0	03/04/26	03/04/26
Surrogates				**Limits**		
Dibromofluoromethane	102%		%REC	70-130	03/04/26	03/04/26
1,2-Dichloroethane-d4	90%		%REC	70-130	03/04/26	03/04/26
Toluene-d8	93%		%REC	70-130	03/04/26	03/04/26
Bromofluorobenzene	96%		%REC	70-130	03/04/26	03/04/26

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful

Laboratory Job Number 554734

Subcontracted Products

AmeriSci Los Angeles

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

March 17, 2026

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave
Orange, CA 92868

RE: Enthalpy Analytical
Job Number 126031381
P.O. #099741
EO-554734

Dear Patty Mata:

Enclosed are the results of Asbestos Analysis - Bulk Qualitative Protocol of the following Enthalpy Analytical samples, received at AmeriSci on Tuesday, March 10, 2026, for a 5 day turnaround:

CG-47-0.5, CG-47-2.5, CG-54-0.5, CG-54-2.5, CG-09-0.5, CG-09-2.5

The 6 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 487127910567. Enthalpy Analytical requested Bulk-Qualitative analysis of these samples.

The samples were prepared and analyzed by using a Standard Operating Procedure developed by AmeriSci, Inc.. After preparation, using non-quantitative matrix reduction if necessary, the presence or absence of asbestos is determined by PLM and/or TEM as indicated on the attached summary table. Quantification after the fact is not possible without a new preparation. This report relates ONLY to the analysis expressed as "asbestos present" or "no asbestos visible". This report must not be used to claim product endorsement or approval by AmeriSci, NVLAP, ELAP or any other associated AmeriSci certifying agency. The National Institute of Standards and Technology accreditation requirements, mandate that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Patty Mata
931 West Barkley Ave

Orange, CA 92868

Date Received 3/10/2026
Date Examined 03/12/26

RE: EO-554734

AmeriSci Job # 126031381
P.O. # 099741

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-47-0.5	126031381-01	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present
Comment: All 6 samples placed in Drying Oven 4 hours.

CG-47-2.5	126031381-02	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-54-0.5	126031381-03	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-54-2.5	126031381-04	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-fibrous Present

CG-09-0.5	126031381-05	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Cellulose Present, Non-fibrous Present

See Reporting notes on last page

PLM Bulk Asbestos Report

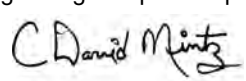
EO-554734

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
CG-09-2.5	126031381-06	***No***	NVA by C. David Mintz on 03/12/26	*1*

Location:
Analyst Description: Brown, Homogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Cellulose Present, Non-fibrous Present
Comment: All 6 samples placed in Drying Oven 4 hours.

Reporting Notes:

(1) Sample homogenized by grinding to a powder prior to analysis.

Analyzed by: C. David Mintz 
Date: 3/12/2026

Reviewed by: Cory M. Parnell 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #210972, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Subject: Re: [External] - Order Confirmation
From: Patricia Mata <patty.mata@enthalpy.com>
Date: 3/11/2026, 11:51 AM
To: "varesults@amerisci.com" <varesults@amerisci.com>, Jocelyn Nguyen <JocelynNguyen@enthalpy.com>

Hello,

Please use PO-099741 on the invoice for this one.

With Regards,
Patty Mata
Project Manager
Enthalpy Analytical
Direct: +1-714-771-9930 | Mobile: +1-714-323-2586
patty.mata@enthalpy.com

From: varesults@amerisci.com <varesults@amerisci.com>
Sent: Wednesday, March 11, 2026 6:14 AM
To: Patricia Mata <patty.mata@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>; varesults@amerisci.com <varesults@amerisci.com>
Subject: [External] - Order Confirmation

This is to confirm our receipt of 6 samples on 3/11/2026.

Missing PO number

Our Job #: 126031381

Your Job Number: EO-554734
Your Job Name:
Your Job Site:
Your Analysis Type: PLM-BULK-QUALITATIVE
Your Turnaround Time: 5 day

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126031381

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-554734
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
CG-47-0.5	20-FEB-2026 00:00	554734-016	1	Soil	Asbestos by PLM	PLM qualitative
CG-47-2.5	20-FEB-2026 00:00	554734-017	1	Soil	Asbestos by PLM	PLM qualitative
CG-54-0.5	23-FEB-2026 00:00	554734-018	1	Soil	Asbestos by PLM	PLM qualitative
CG-54-2.5	23-FEB-2026 00:00	554734-019	1	Soil	Asbestos by PLM	PLM qualitative
CG-09-0.5	10-FEB-2026 00:00	554734-020	1	Soil	Asbestos by PLM	PLM qualitative
CG-09-2.5	10-FEB-2026 00:00	554734-021	1	Soil	Asbestos by PLM	PLM qualitative

Notes:	Relinquished By:	Received By:
	[signature]	M. RIVERO
	Date: 3-6-26 1205	Date: 3/06/26 0 1210
	M. RIVERO	
	Date: 3/06/26 0 1205	Date:
	Date:	Date:

Received
MAR 10 2026

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 557101
Report Level : II
Report Date : 04/13/2026

Analytical Report *prepared for:*

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: CENTENNIAL HS - Centennial High School, 2606 N Central Ave., Compton, CA 90222

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #:	557101
Project No:	CENTENNIAL HS
Location:	Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received:	02/19/26

Sample ID	Lab ID	Collected	Matrix
AOC4-SB-34-0.5	557101-001	02/19/26 10:13	Soil
AOC4-SB-35-0.5	557101-002	02/19/26 09:16	Soil
AOC4-SB-36-0.5	557101-003	02/19/26 09:50	Soil

Case Narrative

Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612 Vanya Keyes	Lab Job Number: 557101 Project No: CENTENNIAL HS Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222 Date Received: 02/19/26

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 04/08/26. The samples were received in good condition. Only the results of the additional analyses are included in this report. The results for sample CG-40-2.5 were reported previously.

Pesticides (EPA 8081A):

- Lab numbers 557101-001, 557101-002, and 557101-003 were requested for analysis past the 14-day hold time. Per client request, the samples were prepared outside of hold time; affected data was qualified with "H".
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 557101
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/19/26

Sample ID: AOC4-SB-34-0.5 **Lab ID: 557101-001** **Collected: 02/19/26 10:13**
Matrix: Soil

557101-001 Analyte	Result	Qual	Units	RL
Method: EPA 8081A Prep Method: EPA 3546				
Dieldrin	**17**	H	ug/Kg	4.9
4,4'-DDE	**180**	H	ug/Kg	4.9
4,4'-DDT	**110**	H	ug/Kg	4.9
Toxaphene	**400**	H	ug/Kg	98
Chlordane (Technical)	**120**	H	ug/Kg	49

Sample ID: AOC4-SB-35-0.5 **Lab ID: 557101-002** **Collected: 02/19/26 09:16**

No Detections

Sample ID: AOC4-SB-36-0.5 **Lab ID: 557101-003** **Collected: 02/19/26 09:50**

No Detections

H Holding time was exceeded

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Outlook

[External] - Additional discrete sample analysis for Centennial HS

From Vanya Keyes <vanya.keyes@terraphase.com>
Date Wed 4/8/2026 9:48 AM
To Patricia Mata <patty.mata@enthalpy.com>
Cc Clare Steedman <clare.steedman@terraphase.com>

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Morning Patty,
I realized that we had one sample, CG-40-0.5, that barely squeaked over the composite-adjusted screening level for dieldrin, and we needed to analyze the discrete samples AOC4-SB-34-0.5, AOC4-SB-35-0.5, and AOC4-SB-36-0.5, and the deeper composite CG-40-2.5 for dieldrin too. I know they'll be out of the hold time, but could we get those run on a 3-day TAT? Thank you!

Vanya Keyes, P.G.
Senior Project Geologist
250 1st Street, Suite 1401
Los Angeles, CA 90012
(949) 990-0182
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terraphase engineering

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ENTHALPY ANALYTICAL

Analysis Results for 557101

Vanya Keyes
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 557101
Project No: CENTENNIAL HS
Location: Centennial High School, 2606 N Central Ave., Compton, CA 90222
Date Received: 02/19/26

Sample ID: AOC4-SB-34-0.5 **Lab ID: 557101-001** **Collected: 02/19/26 10:13**
Matrix: Soil

557101-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
beta-BHC	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
gamma-BHC	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
delta-BHC	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Heptachlor	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Aldrin	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Endosulfan I	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Dieldrin	**17**	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
4,4'-DDE	**180**	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Endrin	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Endosulfan II	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
4,4'-DDD	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Endrin aldehyde	ND	H	ug/Kg	11	0.98	400297	04/09/26	04/10/26	MES
Endrin ketone	ND	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
4,4'-DDT	**110**	H	ug/Kg	4.9	0.98	400297	04/09/26	04/10/26	MES
Methoxychlor	ND	H	ug/Kg	11	0.98	400297	04/09/26	04/10/26	MES
Toxaphene	**400**	H	ug/Kg	98	0.98	400297	04/09/26	04/10/26	MES
Chlordane (Technical)	**120**	H	ug/Kg	49	0.98	400297	04/09/26	04/10/26	MES
Surrogates				**Limits**					
TCMX	73%	H	%REC	58-120	0.98	400297	04/09/26	04/10/26	MES
Decachlorobiphenyl	106%	H	%REC	47-120	0.98	400297	04/09/26	04/10/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 557101

Sample ID: AOC4-SB-35-0.5	Lab ID: 557101-002	Collected: 02/19/26 09:16
	Matrix: Soil	

557101-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
beta-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
gamma-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
delta-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Heptachlor	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Aldrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan I	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Dieldrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDE	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan II	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDD	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endrin aldehyde	ND	H	ug/Kg	11	0.99	400297	04/09/26	04/10/26	MES
Endrin ketone	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDT	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Methoxychlor	ND	H	ug/Kg	11	0.99	400297	04/09/26	04/10/26	MES
Toxaphene	ND	H	ug/Kg	99	0.99	400297	04/09/26	04/10/26	MES
Chlordane (Technical)	ND	H	ug/Kg	50	0.99	400297	04/09/26	04/10/26	MES
Surrogates				**Limits**					
TCMX	75%	H	%REC	58-120	0.99	400297	04/09/26	04/10/26	MES
Decachlorobiphenyl	94%	H	%REC	47-120	0.99	400297	04/09/26	04/10/26	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 557101

Sample ID: AOC4-SB-36-0.5	Lab ID: 557101-003	Collected: 02/19/26 09:50
	Matrix: Soil	

557101-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
beta-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
gamma-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
delta-BHC	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Heptachlor	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Aldrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan I	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Dieldrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDE	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endrin	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan II	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDD	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Endrin aldehyde	ND	H	ug/Kg	11	0.99	400297	04/09/26	04/10/26	MES
Endrin ketone	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
4,4'-DDT	ND	H	ug/Kg	5.0	0.99	400297	04/09/26	04/10/26	MES
Methoxychlor	ND	H	ug/Kg	11	0.99	400297	04/09/26	04/10/26	MES
Toxaphene	ND	H	ug/Kg	99	0.99	400297	04/09/26	04/10/26	MES
Chlordane (Technical)	ND	H	ug/Kg	50	0.99	400297	04/09/26	04/10/26	MES
Surrogates				**Limits**					
TCMX	77%	H	%REC	58-120	0.99	400297	04/09/26	04/10/26	MES
Decachlorobiphenyl	103%	H	%REC	47-120	0.99	400297	04/09/26	04/10/26	MES

H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1358219**	**Batch:**	**400297**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1358219 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	04/09/26	04/09/26
beta-BHC	ND		ug/Kg	5.0	04/09/26	04/09/26
gamma-BHC	ND		ug/Kg	5.0	04/09/26	04/09/26
delta-BHC	ND		ug/Kg	5.0	04/09/26	04/09/26
Heptachlor	ND		ug/Kg	5.0	04/09/26	04/09/26
Aldrin	ND		ug/Kg	5.0	04/09/26	04/09/26
Heptachlor epoxide	ND		ug/Kg	5.0	04/09/26	04/09/26
Endosulfan I	ND		ug/Kg	5.0	04/09/26	04/09/26
Dieldrin	ND		ug/Kg	5.0	04/09/26	04/09/26
4,4'-DDE	ND		ug/Kg	5.0	04/09/26	04/09/26
Endrin	ND		ug/Kg	5.0	04/09/26	04/09/26
Endosulfan II	ND		ug/Kg	5.0	04/09/26	04/09/26
Endosulfan sulfate	ND		ug/Kg	5.0	04/09/26	04/09/26
4,4'-DDD	ND		ug/Kg	5.0	04/09/26	04/09/26
Endrin aldehyde	ND		ug/Kg	5.0	04/09/26	04/09/26
Endrin ketone	ND		ug/Kg	5.0	04/09/26	04/09/26
4,4'-DDT	ND		ug/Kg	5.0	04/09/26	04/09/26
Methoxychlor	ND		ug/Kg	10	04/09/26	04/09/26
Toxaphene	ND		ug/Kg	100	04/09/26	04/09/26
Chlordane (Technical)	ND		ug/Kg	50	04/09/26	04/09/26
Surrogates				**Limits**		
TCMX	90%		%REC	58-120	04/09/26	04/09/26
Decachlorobiphenyl	107%		%REC	47-120	04/09/26	04/09/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1358220**	**Batch:**	**400297**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1358220 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	49.64	50.00	ug/Kg	99%		53-132
beta-BHC	49.19	50.00	ug/Kg	98%		59-131
gamma-BHC	50.80	50.00	ug/Kg	102%		54-132
delta-BHC	49.19	50.00	ug/Kg	98%		54-134
Heptachlor	49.99	50.00	ug/Kg	100%		50-130
Aldrin	46.77	50.00	ug/Kg	94%		46-120
Heptachlor epoxide	51.66	50.00	ug/Kg	103%		52-127
Endosulfan I	46.73	50.00	ug/Kg	93%		53-132
Dieldrin	46.09	50.00	ug/Kg	92%		53-134
4,4'-DDE	51.74	50.00	ug/Kg	103%		53-140
Endrin	50.39	50.00	ug/Kg	101%		53-142
Endosulfan II	48.91	50.00	ug/Kg	98%		53-138
Endosulfan sulfate	44.40	50.00	ug/Kg	89%		50-134
4,4'-DDD	48.86	50.00	ug/Kg	98%		50-136
Endrin aldehyde	40.13	50.00	ug/Kg	80%		15-120
Endrin ketone	47.53	50.00	ug/Kg	95%		50-146
4,4'-DDT	39.56	50.00	ug/Kg	79%		46-142
Methoxychlor	44.44	50.00	ug/Kg	89%		48-156
Surrogates						
TCMX	46.44	50.00	ug/Kg	93%		58-120
Decachlorobiphenyl	50.07	50.00	ug/Kg	100%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1358221**	**Batch:**	**400297**
Matrix (Source ID):	**Soil (557077-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1358221 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	37.98	ND	49.50	ug/Kg	77%		52-120	5
beta-BHC	46.34	ND	49.50	ug/Kg	94%		57-126	5
gamma-BHC	42.84	ND	49.50	ug/Kg	87%		54-122	5
delta-BHC	36.97	ND	49.50	ug/Kg	75%		44-127	5
Heptachlor	40.35	ND	49.50	ug/Kg	82%		51-122	5
Aldrin	40.71	ND	49.50	ug/Kg	82%		51-120	5
Heptachlor epoxide	45.23	ND	49.50	ug/Kg	91%		50-122	5
Endosulfan I	40.08	ND	49.50	ug/Kg	81%		48-123	5
Dieldrin	40.57	ND	49.50	ug/Kg	82%		48-128	5
4,4'-DDE	45.97	ND	49.50	ug/Kg	93%		50-139	5
Endrin	45.27	ND	49.50	ug/Kg	91%		53-132	5
Endosulfan II	45.97	ND	49.50	ug/Kg	93%		47-131	5
Endosulfan sulfate	39.41	ND	49.50	ug/Kg	80%		40-126	5
4,4'-DDD	42.94	ND	49.50	ug/Kg	87%		48-130	5
Endrin aldehyde	43.64	ND	49.50	ug/Kg	88%		26-120	5
Endrin ketone	43.73	ND	49.50	ug/Kg	88%		51-133	5
4,4'-DDT	36.91	ND	49.50	ug/Kg	75%		40-144	5
Methoxychlor	45.49	ND	49.50	ug/Kg	92%		49-148	5
Surrogates								
TCMX	43.44		49.50	ug/Kg	88%		58-120	5
Decachlorobiphenyl	46.90		49.50	ug/Kg	95%		47-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1358222**	**Batch:**	**400297**
Matrix (Source ID):	**Soil (557077-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1358222 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	35.69	ND	50.00	ug/Kg	71%		52-120	7	37	5
beta-BHC	45.34	ND	50.00	ug/Kg	91%		57-126	3	38	5
gamma-BHC	40.70	ND	50.00	ug/Kg	81%		54-122	6	39	5
delta-BHC	35.99	ND	50.00	ug/Kg	72%		44-127	4	54	5
Heptachlor	38.00	ND	50.00	ug/Kg	76%		51-122	7	44	5
Aldrin	38.89	ND	50.00	ug/Kg	78%		51-120	6	39	5
Heptachlor epoxide	41.38	ND	50.00	ug/Kg	83%		50-122	10	39	5
Endosulfan I	36.84	ND	50.00	ug/Kg	74%		48-123	9	47	5
Dieldrin	36.45	ND	50.00	ug/Kg	73%		48-128	12	43	5
4,4'-DDE	42.41	ND	50.00	ug/Kg	85%		50-139	9	42	5
Endrin	41.03	ND	50.00	ug/Kg	82%		53-132	11	45	5
Endosulfan II	42.16	ND	50.00	ug/Kg	84%		47-131	10	46	5
Endosulfan sulfate	36.81	ND	50.00	ug/Kg	74%		40-126	8	52	5
4,4'-DDD	40.63	ND	50.00	ug/Kg	81%		48-130	7	46	5
Endrin aldehyde	34.18	ND	50.00	ug/Kg	68%		26-120	25	57	5
Endrin ketone	34.56	ND	50.00	ug/Kg	69%		51-133	24	43	5
4,4'-DDT	32.92	ND	50.00	ug/Kg	66%		40-144	12	56	5
Methoxychlor	35.21	ND	50.00	ug/Kg	70%		49-148	26	53	5
Surrogates										
TCMX	42.54		50.00	ug/Kg	85%		58-120			5
Decachlorobiphenyl	41.71		50.00	ug/Kg	83%		47-120			5

ND Not Detected

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

March 6, 2026

Vanya Keyes
Terraphase Engineering, Inc.
18401 Von Karman Avenue, Suite 410
Irvine, CA 92612

Dear Vanya:

This letter presents the results of the soil vapor investigation conducted by Optimal Technology (Optimal), for Terraphase Engineering, Inc. on March 5, 2026. The study was performed at 2606 N. Central Ave., Compton, California.

Optimal was contracted to perform a soil vapor survey at this site to screen for possible chlorinated solvents and aromatic hydrocarbons. The primary objective of this soil vapor investigation was to determine if soil vapor contamination is present in the subsurface soil.

Gas Sampling Method

At each sampling location, an electric vacuum pump set to draw 0.2 liters per minute (L/min) of soil vapor was attached to the existing well and purged prior to sample collection. Vapor samples were obtained in gas-tight syringes by drawing the sample through a luer-lock connection which connects the sampling probe and the vacuum pump. Samples were immediately injected into the gas chromatograph/purge and trap after collection. New tubing was used at each sampling point to prevent cross contamination.

All analyses were performed on a laboratory grade Agilent model 6890N gas chromatograph equipped with an Agilent model 5973/5975 Mass Spectra Detector and Tekmar LSC 3100 Purge and Trap. A Restek column using helium as the carrier gas was used to perform all analysis. All results were collected on a personal computer utilizing Agilent's MS and chromatographic data collection and handling system. Additionally, an MRU Optimax was used to test for Oxygen, Carbon Dioxide, Methane & Hydrogen Sulfide.

Quality Assurance

5-Point Calibration
The initial five-point calibration consisted of 20, 50, 100, 200 and 500 ul injections of the calibration standard. A calibration factor on each analyte was generated using a best fit line

method using the Agilent data system. If the r^2 factor generated from this line was not greater than 0.990, an additional five-point calibration would have been performed. Method reporting limits were calculated to be 1-1000 micrograms per cubic meter (ug/m^3) for the individual compounds.

A daily calibration check was performed using a pre-mixed standard supplied by Scotty Analyzed Gases. The standard contained common halogenated solvents and aromatic hydrocarbons (see Table 1). The individual compound concentrations in the standards ranged between 0.025 nanograms per microliter (ng/ul) and 0.25 ng/ul.

TABLE 1

Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene
tert-Butylbenzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane
Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene
Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	Dibromomethane
1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane
1,2-Dichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene
trans-1,2-Dichloroethene	1,2-Dichloropropane	2,2-Dichloropropane	1,3-Dichloropropane
1,1-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	Isobutane
Isopropylbenzene	p-Isopropyltoluene	Methylene Chloride	Naphthalene
n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane
Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane
1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride
m/p-Xylene	o-Xylene	Diisopropyl Ether	Ethyl Tert Butyl Ether
MTBE	Tert-Amyl Methyl Ether	Tertiary Butyl Alcohol	

Sample Replicates
A replicate analysis (duplicate) was run to evaluate the reproducibility of the sampling system and instrument. The difference between samples did not vary more than 20%.

Equipment Blanks
Blanks were run at the beginning of each workday and after calibrations. The blanks were collected using an ambient air sample. These blanks checked the septum, syringe, GC column, GC detector and the ambient air. Contamination was not found in any of the blanks analyzed during this investigation. Blank results are given along with the sample results.

Purge Volume
The standard purge volume of three volumes was purged in accordance with the July 2015 DTSC/RWQCB Advisory for Active Soil Gas Investigations.

Tracer Gas Leak Test
A tracer gas was applied to the soil gas probes at each point of connection in which ambient air could enter the sampling system. These points include the top of the sampling probe where the tubing meets the probe connection and the surface bentonite seals. Isobutane was used as the tracer gas. No Isobutane was found in any of the samples collected.

Shut-in Test
A shut-in test was conducted prior to purging or sampling each location to check for leaks in the above-ground sampling system. The system was evaluated to a minimum measured vacuum of 100 inches of water. The vacuum gauge was calibrated and sensitive enough to indicate a water pressure change of at least 0.5 inches.

Scope of Work

To achieve the objective of this investigation a total of 26 vapor samples were collected from locations at the site. Sampling depths, vacuum readings, purge volume and sampling volumes are given on the analytical results page. All the collected vapor samples were analyzed on-site using Optimal's mobile laboratory.

Subsurface Conditions

Subsurface soil conditions offered sampling flows at 0-100" water vacuum.

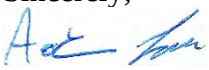
Results

During this vapor investigation, analytes were detected in samples above the listed reporting limit. Please see the complete table of analytical results included with this report.

Disclaimer

All conclusions presented in this letter are based solely on the information collected by the soil vapor survey conducted by Optimal Technology. Soil vapor testing is only a subsurface screening tool and does not represent actual contaminant concentrations in either the soil and/or groundwater. We enjoyed working with you on this project and look forward to future projects. If you have any questions, please contact me at (877) 764-5427.

Sincerely,



Adam Guba
Project Manager

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: B. Kalous **Collector:** B. Kalous **Inst. ID:** Agilent 6890N
Method: Modified EPA 8260B **Detector:** Agilent 5975C Mass Spectrometer

SAMPLE ID	BLANK-1	SV-11-5	SV-11-15	SV-9-5	SV-9-15	SV-12-5	SV-08-5	SV-08-15
Sampling Depth (Ft.)	N/A	5.0	15.0	5.0	15.0	5.0	5.0	15.0
Purge Volume (ml)	N/A	3,030	1,660	3,030	1,660	3,030	3,030	1,660
Vacuum (in. of Water)	N/A	0	0	0	0	0	0	0
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	1	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
Benzene	3	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	150	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	2	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	4	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	200	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	9	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1000	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1000	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
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SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: B. Kalous **Collector:** B. Kalous **Inst. ID:** Agilent 6890N
Method: Modified EPA 8260B **Detector:** Agilent 5975C Mass Spectrometer

SAMPLE ID	BLANK-1	SV-11-5	SV-11-15	SV-9-5	SV-9-15	SV-12-5	SV-08-5	SV-08-15
Sampling Depth (Ft.)	N/A	5.0	15.0	5.0	15.0	5.0	5.0	15.0
Purge Volume (ml)	N/A	3,030	1,660	3,030	1,660	3,030	3,030	1,660
Vacuum (in. of Water)	N/A	0	0	0	0	0	0	0
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	1	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
1,1-Dichloropropene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	30	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	4	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	30	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	10	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	60	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	1000	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	1000	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Tert Butyl Ether	1000	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	350	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Amyl Methyl Ether (TAME)	1000	ND	ND	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	1000	ND	ND	ND	ND	ND	ND	ND	ND
TPH-g	3000	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane (Tracer Gas)	100	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
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SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA
Lab Name: Optimal Technology
Date: 3/5/26
Analyst: B. Kalous **Collector:** B. Kalous
Inst. ID: Agilent 6890N
Method: Modified EPA 8260B
Detector: Agilent 5975C Mass Spectrometer
Page: 3 of 8

SAMPLE ID	SV-07-5	SV-07-5 Dup	SV-07-15	SV-04-5	SV-04-15			
Sampling Depth (Ft.)	5.0	5.0	15.0	5.0	15.0			
Purge Volume (ml)	3,030	3,030	1,660	4,250	2,250			
Vacuum (in. of Water)	0	0	0	0	0			
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000			
Dilution Factor	1	1	1	1	1			

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)			
Benzene	3	ND	ND	ND	ND	ND			
Bromobenzene	1000	ND	ND	ND	ND	ND			
Bromochloromethane	1000	ND	ND	ND	ND	ND			
Bromodichloromethane	2	ND	ND	ND	ND	ND			
Bromoform	80	ND	ND	ND	ND	ND			
Bromomethane	150	ND	ND	ND	ND	ND			
n-Butylbenzene	1000	ND	ND	ND	ND	ND			
sec-Butylbenzene	1000	ND	ND	ND	ND	ND			
tert-Butylbenzene	1000	ND	ND	ND	ND	ND			
Carbon Tetrachloride	2	ND	ND	ND	ND	ND			
Chlorobenzene	1000	ND	ND	ND	ND	ND			
Chloroethane	1000	ND	ND	ND	ND	ND			
Chloroform	4	ND	ND	ND	ND	ND			
Chloromethane	1000	ND	ND	ND	ND	ND			
2-Chlorotoluene	1000	ND	ND	ND	ND	ND			
4-Chlorotoluene	1000	ND	ND	ND	ND	ND			
Dibromochloromethane	1000	ND	ND	ND	ND	ND			
1,2-Dibromo-3-chloropropane	1	ND	ND	ND	ND	ND			
1,2-Dibromoethane	1	ND	ND	ND	ND	ND			
Dibromomethane	1000	ND	ND	ND	ND	ND			
1,2-Dichlorobenzene	1000	ND	ND	ND	ND	ND			
1,3-Dichlorobenzene	1000	ND	ND	ND	ND	ND			
1,4-Dichlorobenzene	8	ND	ND	ND	ND	ND			
Dichlorodifluoromethane	1000	ND	ND	ND	ND	ND			
1,1-Dichloroethane	50	ND	ND	ND	ND	ND			
1,2-Dichloroethane	3	ND	ND	ND	ND	ND			
1,1-Dichloroethene	100	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	200	ND	ND	ND	ND	ND			
trans-1,2-Dichloroethene	1000	ND	ND	ND	ND	ND			
1,2-Dichloropropane	9	ND	ND	ND	ND	ND			
1,3-Dichloropropane	1000	ND	ND	ND	ND	ND			
2,2-Dichloropropane	1000	ND	ND	ND	ND	ND			

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
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SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA
Lab Name: Optimal Technology
Date: 3/5/26
Analyst: B. Kalous **Collector:** B. Kalous
Inst. ID: Agilent 6890N
Method: Modified EPA 8260B
Detector: Agilent 5975C Mass Spectrometer
Page: 4 of 8

SAMPLE ID	SV-07-5	SV-07-5 Dup	SV-07-15	SV-04-5	SV-04-15			
Sampling Depth (Ft.)	5.0	5.0	15.0	5.0	15.0			
Purge Volume (ml)	3,030	3,030	1,660	4,250	2,250			
Vacuum (in. of Water)	0	0	0	0	0			
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000			
Dilution Factor	1	1	1	1	1			

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)			
1,1-Dichloropropene	1000	ND	ND	ND	ND	ND			
Ethylbenzene	30	ND	ND	ND	ND	ND			
Hexachlorobutadiene	4	ND	ND	ND	ND	ND			
Isopropylbenzene	1000	ND	ND	ND	ND	ND			
p-Isopropyltoluene	1000	ND	ND	ND	ND	ND			
Methylene Chloride	30	ND	ND	ND	ND	ND			
Naphthalene	2	ND	ND	ND	ND	ND			
n-Propylbenzene	1000	ND	ND	ND	ND	ND			
Styrene	1000	ND	ND	ND	ND	ND			
1,1,1,2-Tetrachloroethane	10	ND	ND	ND	ND	ND			
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND			
Tetrachloroethene (PCE)	10	ND	ND	ND	ND	ND			
Toluene	1000	ND	ND	ND	ND	ND			
1,2,3-Trichlorobenzene	1000	ND	ND	ND	ND	ND			
1,2,4-Trichlorobenzene	60	ND	ND	ND	ND	ND			
1,1,1-Trichloroethane	1000	ND	ND	ND	ND	ND			
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND			
Trichloroethene (TCE)	10	ND	ND	ND	ND	ND			
Trichlorofluoromethane	1000	ND	ND	ND	ND	ND			
1,2,3-Trichloropropane	10	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	1000	ND	ND	ND	ND	ND			
1,3,5-Trimethylbenzene	1000	ND	ND	ND	ND	ND			
Vinyl Chloride	1	ND	ND	ND	ND	ND			
m/p-Xylene	1000	ND	ND	ND	ND	ND			
o-Xylene	1000	ND	ND	ND	ND	ND			
Diisopropyl Ether (DIPE)	1000	ND	ND	ND	ND	ND			
Ethyl Tert Butyl Ether	1000	ND	ND	ND	ND	ND			
MTBE	350	ND	ND	ND	ND	ND			
Tert-Amyl Methyl Ether (TAME)	1000	ND	ND	ND	ND	ND			
Tertiary Butyl Alcohol	1000	ND	ND	ND	ND	ND			
TPH-g	3000	ND	ND	ND	ND	ND			
Isobutane (Tracer Gas)	100	ND	ND	ND	ND	ND			

Note: ND = Below Listed Reporting Limit

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OPTIMAL TECHNOLOGY
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SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: A. Guba **Collector:** A. Guba **Inst. ID:** Agilent 6890NF2
Method: Modified EPA 8260B **Detector:** Agilent 5975 Mass Spectrometer **Page:** 5 of 8

SAMPLE ID	BLANK-2	SV-10-5	SV-10-15	SV-10-25	SV-06-5	SV-06-15	SV-01-5	SV-01-15
Sampling Depth (Ft.)	N/A	5.0	15.0	25.0	5.0	15.0	5.0	15.0
Purge Volume (ml)	N/A	3,028	1,660	1,834	3,028	1,660	4,252	2,246
Vacuum (in. of Water)	N/A	0	0	0	0	100	0	0
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	1	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
Benzene	3	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	150	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	2	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	4	ND	**7**	ND	ND	ND	ND	ND	ND
Chloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	200	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	9	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1000	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1000	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: A. Guba **Collector:** A. Guba **Inst. ID:** Agilent 6890NF2
Method: Modified EPA 8260B **Detector:** Agilent 5975 Mass Spectrometer **Page:** 6 of 8

SAMPLE ID	BLANK-2	SV-10-5	SV-10-15	SV-10-25	SV-06-5	SV-06-15	SV-01-5	SV-01-15
Sampling Depth (Ft.)	N/A	5.0	15.0	25.0	5.0	15.0	5.0	15.0
Purge Volume (ml)	N/A	3,028	1,660	1,834	3,028	1,660	4,252	2,246
Vacuum (in. of Water)	N/A	0	0	0	0	100	0	0
Injection Volume (ul)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	1	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
1,1-Dichloropropene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	30	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	4	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	30	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	10	ND	**12**	**12**	ND	ND	ND	ND	ND
Toluene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	60	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	1000	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1000	ND	ND	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	1000	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Tert Butyl Ether	1000	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	350	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Amyl Methyl Ether (TAME)	1000	ND	ND	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	1000	ND	ND	ND	ND	ND	ND	ND	ND
TPH-g	3000	ND	ND	ND	ND	ND	ND	**3,869**	ND
Isobutane (Tracer Gas)	100	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: A. Guba **Collector:** A. Guba **Inst. ID:** Agilent 6890NF2
Method: Modified EPA 8260B **Detector:** Agilent 5975 Mass Spectrometer **Page:** 7 of 8

SAMPLE ID	SV-02-5	SV-02-15	SV-03-5	SV-03-15	SV-03-15 Dup	SV-05-5	SV-05-15	SV-05-25
Sampling Depth (Ft.)	5.0	15.0	5.0	15.0	15.0	5.0	15.0	25.0
Purge Volume (ml)	4,252	N/A	4,252	2,246	2,246	4,252	2,246	2,420
Vacuum (in. of Water)	0	>150	0	0	0	0	0	0
Injection Volume (ul)	100,000	N/A	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	N/A	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
Benzene	3	ND	N/A	ND	ND	ND	ND	ND	ND
Bromobenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Bromochloromethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	ND	N/A	ND	ND	ND	ND	ND	ND
Bromoform	80	ND	N/A	ND	ND	ND	ND	ND	ND
Bromomethane	150	ND	N/A	ND	ND	ND	ND	ND	ND
n-Butylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	2	ND	N/A	ND	ND	ND	ND	ND	ND
Chlorobenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Chloroethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Chloroform	4	ND	N/A	ND	ND	ND	ND	ND	ND
Chloromethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Dibromochloromethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	1	ND	N/A	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	1	ND	N/A	ND	ND	ND	ND	ND	ND
Dibromomethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8	ND	N/A	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	50	ND	N/A	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3	ND	N/A	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	ND	N/A	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	200	ND	N/A	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	9	ND	N/A	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	1000	ND	N/A	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit; N/A = Not applicable because no sample was taken due to high vacuum.

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26
Analyst: A. Guba **Collector:** A. Guba **Inst. ID:** Agilent 6890NF2
Method: Modified EPA 8260B **Detector:** Agilent 5975 Mass Spectrometer **Page:** 8 of 8

SAMPLE ID	SV-02-5	SV-02-15	SV-03-5	SV-03-15	SV-03-15 Dup	SV-05-5	SV-05-15	SV-05-25
Sampling Depth (Ft.)	5.0	15.0	5.0	15.0	15.0	5.0	15.0	25.0
Purge Volume (ml)	4,252	N/A	4,252	2,246	2,246	4,252	2,246	2,420
Vacuum (in. of Water)	0	>150	0	0	0	0	0	0
Injection Volume (ul)	100,000	N/A	100,000	100,000	100,000	100,000	100,000	100,000
Dilution Factor	1	N/A	1	1	1	1	1	1

COMPOUND	REP. LIMIT	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)	CONC (ug/m^3)
1,1-Dichloropropene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Ethylbenzene	30	ND	N/A	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	4	ND	N/A	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Methylene Chloride	30	ND	N/A	ND	ND	ND	ND	ND	ND
Naphthalene	2	ND	N/A	ND	ND	ND	ND	ND	ND
n-Propylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Styrene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10	ND	N/A	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	N/A	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	10	ND	N/A	ND	ND	ND	ND	ND	ND
Toluene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	60	ND	N/A	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	N/A	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10	ND	N/A	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10	ND	N/A	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	ND	N/A	ND	ND	ND	ND	ND	ND
m/p-Xylene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
o-Xylene	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Ethyl Tert Butyl Ether	1000	ND	N/A	ND	ND	ND	ND	ND	ND
MTBE	350	ND	N/A	ND	ND	ND	ND	ND	ND
Tert-Amyl Methyl Ether (TAME)	1000	ND	N/A	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	1000	ND	N/A	ND	ND	ND	ND	ND	ND
TPH-g	3000	ND	N/A	ND	ND	ND	ND	ND	ND
Isobutane (Tracer Gas)	100	ND	N/A	ND	ND	ND	ND	ND	ND

Note: ND = Below Listed Reporting Limit; N/A = Not applicable because no sample was taken due to high vacuum.

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

SOIL VAPOR RESULTS

Site Name: 2606 N. Central Ave., Compton, CA **Lab Name:** Optimal Technology **Date:** 3/5/26

Analyst: A. Guba **Collector:** A. Guba **Inst. ID:** MRU - Optimax

SAMPLE ID	BLANK-2	SV-10-5	SV-10-15	SV-10-25	SV-05-5	SV-05-15	SV-05-25	
Sampling Depth (Ft.)	N/A	5.0	15.0	25.0	5.0	15.0	25.0	
Purge Volume (ml)	N/A	3,028	1,660	1,834	4,252	2,246	2,420	
Vacuum (in. of Water)	N/A	0	0	0	0	0	0	

COMPOUND	REP. LIMIT	CONC (%)	CONC (%)	CONC (%)	CONC (%)	CONC (%)	CONC (%)	CONC (%)	
Methane	0.1%	ND	ND	ND	ND	ND	ND	ND	
Carbon Dioxide	0.01%	**0.07%**	**6.49%**	**7.08%**	**7.12%**	**8.68%**	**11.20%**	**3.70%**	
Oxygen	0.01%	**20.35%**	**7.83%**	**7.80%**	**7.12%**	**9.18%**	**3.70%**	**4.10%**	

COMPOUND	REP. LIMIT	CONC (ppm)	CONC (ppm)	CONC (ppm)	CONC (ppm)	CONC (ppm)	CONC (ppm)	CONC (ppm)	
Hydrogen Sulfide	1.0 ppm	ND	ND	ND	ND	ND	ND	ND	

Note: ND = Below Listed Reporting Limit

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

CHAIN OF CUSTODY FORM

Site Name/Number		PO# / Project Ref#	
Site Address	**2606 N. Central Ave., Compton, CA**		
Company Name			
Contact Person(s):		Phone#	Email:
Comments:			

				TESTS REQUIRED (please mark with an "X")			
Sample Identification	Sampling Device	Date Collected	Time Collected	**Soil Gas Mod 8260B**	**Soil Gas Mod 8021B**	**Soil Gas Mod 8015**	**Notes**
BLANK-1	Syringe	3/5/26	7:05 AM	x			
SV-11-5	Syringe	3/5/26	7:22 AM	x			
SV-11-15	Syringe	3/5/26	7:40 AM	x			
SV-9-5	Syringe	3/5/26	7:58 AM	x			
SV-9-15	Syringe	3/5/26	8:18 AM	x			
SV-12-5	Syringe	3/5/26	8:35 AM	x			
SV-08-5	Syringe	3/5/26	8:53 AM	x			
SV-08-15	Syringe	3/5/26	9:18 AM	x			
SV-07-5	Syringe	3/5/26	9:38 AM	x			
SV-07-5 Dup	Syringe	3/5/26	9:38 AM	x			
SV-07-15	Syringe	3/5/26	10:14 AM	x			
SV-04-5	Syringe	3/5/26	10:34 AM	x			
SV-04-15	Syringe	3/5/26	10:56 AM	x			

Collected & Tested by:

Braden Kalous

1667 Cross Bridge Place, Thousand Oaks, CA 91362 • Toll Free (877) SOIL GAS (764-5427) • (818) 734-6230 • Fax (818) 734-6235

OPTIMAL TECHNOLOGY
Specializing in Environmental Field Services

CHAIN OF CUSTODY FORM

Site Name/Number		PO# / Project Ref#
Site Address	**2606 N. Central Ave., Compton, CA**	
Company Name		
Contact Person(s):	Phone#	Email:
Comments:		

				TESTS REQUIRED (please mark with an "X")			
Sample Identification	Sampling Device	Date Collected	Time Collected	**Soil Gas Mod 8260B**	**Soil Gas Mod 8021B**	**Soil Gas Mod 8015**	**Notes**
BLANK-2	Syringe	3/5/26	7:00 AM	x			
SV-10-5	Syringe	3/5/26	7:30 AM	x			
SV-10-15	Syringe	3/5/26	7:46 AM	x			
SV-10-25	Syringe	3/5/26	8:02 AM	x			
SV-06-5	Syringe	3/5/26	8:18 AM	x			
SV-06-15	Syringe	3/5/26	8:36 AM	x			High Vacuum Sample
SV-01-5	Syringe	3/5/26	8:52 AM	x			
SV-01-15	Syringe	3/5/26	9:09 AM	x			
SV-02-5	Syringe	3/5/26	9:25 AM	x			
SV-02-15	N/A	3/5/26	N/A	N/A			No sample-High Vacuum
SV-03-5	Syringe	3/5/26	9:49 AM	x			
SV-03-15	Syringe	3/5/26	10:05 AM	x			
SV-03-15 Dup	Syringe	3/5/26	10:05 AM	x			
SV-05-5	Syringe	3/5/26	10:32 AM	x			
SV-05-15	Syringe	3/5/26	10:48 AM	x			
SV-05-25	Syringe	3/5/26	11:04 AM	x			

Collected & Tested by:

1667 Cross Bridge Place, Thousand Oaks, CA 91362 • Toll Free (877) SOIL GAS (764-5427) • (818) 734-6230 • Fax (818) 734-6235

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Vanya Keyes
Terraphase Engineering Inc.
18401 Von Karman Ave
Suite 410
Irvine, California 92612

Generated 3/10/2026 2:10:09 PM

JOB DESCRIPTION

Centennial High School PEA

JOB NUMBER

570-270424-1

Eurofins Calscience
2841 Dow Avenue
Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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Authorized for release by
Allyson Chapman, Project Manager I
Allyson.Chapman@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Terraphase Engineering Inc. Job ID: 570-270424-1
Project/Site: Centennial High School PEA

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-270424-1 Eurofins Calscience

Job Narrative
570-270424-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 3/5/2026 12:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.0°C.

Air - GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Air - GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Client Sample ID: SV-11-5.0-250305 — Lab Sample ID: 570-270424-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.9	J	2.4	1.1	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0		1.0	0.62	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.1	J	2.5	1.5	ug/m3	1		TO-15	Total/NA
Acetone - RA	4.1	J	4.8	1.9	ug/m3	1		TO-15	Total/NA
TPH (as Gasoline)	35000		8200	4000	ug/m3	1		TO3	Total/NA

Client Sample ID: SV-09-5.0-250305 — Lab Sample ID: 570-270424-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.2	J	7.4	2.1	ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	8.1		4.4	1.8	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (MIBK)	2.6	J	6.1	2.6	ug/m3	1		TO-15	Total/NA
Acetone	26		4.8	1.9	ug/m3	1		TO-15	Total/NA
Benzene	2.5		1.6	0.63	ug/m3	1		TO-15	Total/NA
Bromodichloromethane	2.8	J	3.4	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	51		6.2	0.88	ug/m3	1		TO-15	Total/NA
Chloroform	9.9		2.4	1.1	ug/m3	1		TO-15	Total/NA
Chloromethane	2.5		1.0	0.62	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.2	J	2.5	1.5	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.6		2.2	0.90	ug/m3	1		TO-15	Total/NA
o-Xylene	4.6		2.2	0.89	ug/m3	1		TO-15	Total/NA
m,p-Xylene	12		8.7	2.4	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	4.0		3.4	1.5	ug/m3	1		TO-15	Total/NA
Toluene	77		1.9	0.80	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.7	J	2.7	1.1	ug/m3	1		TO-15	Total/NA
TPH (as Gasoline)	14000		8200	4000	ug/m3	1		TO3	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Client Sample ID: SV-11-5.0-250305
Date Collected: 03/05/26 08:29
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Lab Sample ID: 570-270424-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	1.1	ug/m3			03/08/26 10:22	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.3	ug/m3			03/08/26 10:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.2	ug/m3			03/08/26 10:22	1
1,1,2-Trichloroethane	ND		2.7	1.3	ug/m3			03/08/26 10:22	1
1,1-Dichloroethane	ND		2.0	0.87	ug/m3			03/08/26 10:22	1
1,1-Dichloroethene	ND		2.0	0.87	ug/m3			03/08/26 10:22	1
1,1-Difluoroethane	ND		14	2.0	ug/m3			03/08/26 10:22	1
1,2,4-Trichlorobenzene	ND		15	7.5	ug/m3			03/08/26 10:22	1
1,2,4-Trimethylbenzene	ND		7.4	2.1	ug/m3			03/08/26 10:22	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.9	ug/m3			03/08/26 10:22	1
1,2-Dibromoethane	ND		3.8	1.4	ug/m3			03/08/26 10:22	1
1,2-Dichlorobenzene	ND		3.0	1.6	ug/m3			03/08/26 10:22	1
1,2-Dichloroethane	ND		2.0	0.78	ug/m3			03/08/26 10:22	1
1,2-Dichloropropane	ND		2.3	0.90	ug/m3			03/08/26 10:22	1
1,3,5-Trimethylbenzene	ND		2.5	1.0	ug/m3			03/08/26 10:22	1
1,3-Dichlorobenzene	ND		3.0	1.7	ug/m3			03/08/26 10:22	1
1,4-Dichlorobenzene	ND		3.0	1.8	ug/m3			03/08/26 10:22	1
2-Butanone (MEK)	ND		4.4	1.8	ug/m3			03/08/26 10:22	1
2-Hexanone	ND		6.1	3.0	ug/m3			03/08/26 10:22	1
4-Ethyltoluene	ND		2.5	1.1	ug/m3			03/08/26 10:22	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	2.6	ug/m3			03/08/26 10:22	1
Benzene	ND		1.6	0.63	ug/m3			03/08/26 10:22	1
Benzyl chloride	ND		7.8	3.8	ug/m3			03/08/26 10:22	1
Bromodichloromethane	ND		3.4	1.2	ug/m3			03/08/26 10:22	1
Bromoform	ND		5.2	1.8	ug/m3			03/08/26 10:22	1
Bromomethane	ND		1.9	0.96	ug/m3			03/08/26 10:22	1
cis-1,2-Dichloroethene	ND		2.0	0.94	ug/m3			03/08/26 10:22	1
cis-1,3-Dichloropropene	ND		2.3	1.1	ug/m3			03/08/26 10:22	1
Carbon disulfide	ND		6.2	0.88	ug/m3			03/08/26 10:22	1
Carbon tetrachloride	ND		3.1	1.0	ug/m3			03/08/26 10:22	1
Chlorobenzene	ND		2.3	0.73	ug/m3			03/08/26 10:22	1
Chloroethane	ND		1.3	0.77	ug/m3			03/08/26 10:22	1
Chloroform	**1.9**	**J**	2.4	1.1	ug/m3			03/08/26 10:22	1
Chloromethane	**1.0**		1.0	0.62	ug/m3			03/08/26 10:22	1
Dibromochloromethane	ND		4.3	1.3	ug/m3			03/08/26 10:22	1
Dichlorodifluoromethane	**2.1**	**J**	2.5	1.5	ug/m3			03/08/26 10:22	1
Dichlorotetrafluoroethane	ND		14	4.0	ug/m3			03/08/26 10:22	1
Ethylbenzene	ND		2.2	0.90	ug/m3			03/08/26 10:22	1
Hexachloro-1,3-butadiene	ND		16	6.9	ug/m3			03/08/26 10:22	1
Isopropanol	ND		12	7.8	ug/m3			03/08/26 10:22	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2	2.4	ug/m3			03/08/26 10:22	1
n-Butylbenzene	ND		8.2	3.0	ug/m3			03/08/26 10:22	1
o-Xylene	ND		2.2	0.89	ug/m3			03/08/26 10:22	1
m,p-Xylene	ND		8.7	2.4	ug/m3			03/08/26 10:22	1
sec-Butylbenzene	ND		8.2	2.3	ug/m3			03/08/26 10:22	1
Styrene	ND		6.4	2.2	ug/m3			03/08/26 10:22	1
trans-1,2-Dichloroethene	ND		2.0	0.89	ug/m3			03/08/26 10:22	1
trans-1,3-Dichloropropene	ND		4.5	1.1	ug/m3			03/08/26 10:22	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SV-11-5.0-250305
Date Collected: 03/05/26 08:29
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Lab Sample ID: 570-270424-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		8.2	2.4	ug/m3			03/08/26 10:22	1
Tetrachloroethene	ND		3.4	1.5	ug/m3			03/08/26 10:22	1
Toluene	ND		1.9	0.80	ug/m3			03/08/26 10:22	1
Trichlorofluoromethane	ND		5.6	1.3	ug/m3			03/08/26 10:22	1
Vinyl acetate	ND		7.0	2.2	ug/m3			03/08/26 10:22	1
Vinyl chloride	ND		1.3	0.67	ug/m3			03/08/26 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 132*		*03/08/26 10:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/08/26 10:22*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/08/26 10:22*	*1*

Client Sample ID: SV-09-5.0-250305
Date Collected: 03/05/26 08:59
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Lab Sample ID: 570-270424-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	1.1	ug/m3			03/08/26 11:17	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.3	ug/m3			03/08/26 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.2	ug/m3			03/08/26 11:17	1
1,1,2-Trichloroethane	ND		2.7	1.3	ug/m3			03/08/26 11:17	1
1,1-Dichloroethane	ND		2.0	0.87	ug/m3			03/08/26 11:17	1
1,1-Dichloroethene	ND		2.0	0.87	ug/m3			03/08/26 11:17	1
1,1-Difluoroethane	ND		14	2.0	ug/m3			03/08/26 11:17	1
1,2,4-Trichlorobenzene	ND		15	7.5	ug/m3			03/08/26 11:17	1
1,2,4-Trimethylbenzene	**2.2**	**J**	7.4	2.1	ug/m3			03/08/26 11:17	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.9	ug/m3			03/08/26 11:17	1
1,2-Dibromoethane	ND		3.8	1.4	ug/m3			03/08/26 11:17	1
1,2-Dichlorobenzene	ND		3.0	1.6	ug/m3			03/08/26 11:17	1
1,2-Dichloroethane	ND		2.0	0.78	ug/m3			03/08/26 11:17	1
1,2-Dichloropropane	ND		2.3	0.90	ug/m3			03/08/26 11:17	1
1,3,5-Trimethylbenzene	ND		2.5	1.0	ug/m3			03/08/26 11:17	1
1,3-Dichlorobenzene	ND		3.0	1.7	ug/m3			03/08/26 11:17	1
1,4-Dichlorobenzene	ND		3.0	1.8	ug/m3			03/08/26 11:17	1
2-Butanone (MEK)	**8.1**		4.4	1.8	ug/m3			03/08/26 11:17	1
2-Hexanone	ND		6.1	3.0	ug/m3			03/08/26 11:17	1
4-Ethyltoluene	ND		2.5	1.1	ug/m3			03/08/26 11:17	1
4-Methyl-2-pentanone (MIBK)	**2.6**	**J**	6.1	2.6	ug/m3			03/08/26 11:17	1
Acetone	**26**		4.8	1.9	ug/m3			03/08/26 11:17	1
Benzene	**2.5**		1.6	0.63	ug/m3			03/08/26 11:17	1
Benzyl chloride	ND		7.8	3.8	ug/m3			03/08/26 11:17	1
Bromodichloromethane	**2.8**	**J**	3.4	1.2	ug/m3			03/08/26 11:17	1
Bromoform	ND		5.2	1.8	ug/m3			03/08/26 11:17	1
Bromomethane	ND		1.9	0.96	ug/m3			03/08/26 11:17	1
cis-1,2-Dichloroethene	ND		2.0	0.94	ug/m3			03/08/26 11:17	1
cis-1,3-Dichloropropene	ND		2.3	1.1	ug/m3			03/08/26 11:17	1
Carbon disulfide	**51**		6.2	0.88	ug/m3			03/08/26 11:17	1
Carbon tetrachloride	ND		3.1	1.0	ug/m3			03/08/26 11:17	1
Chlorobenzene	ND		2.3	0.73	ug/m3			03/08/26 11:17	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Client Sample ID: SV-09-5.0-250305
Date Collected: 03/05/26 08:59
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Lab Sample ID: 570-270424-2
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.3	0.77	ug/m3			03/08/26 11:17	1
Chloroform	**9.9**		2.4	1.1	ug/m3			03/08/26 11:17	1
Chloromethane	**2.5**		1.0	0.62	ug/m3			03/08/26 11:17	1
Dibromochloromethane	ND		4.3	1.3	ug/m3			03/08/26 11:17	1
Dichlorodifluoromethane	**2.2**	**J**	2.5	1.5	ug/m3			03/08/26 11:17	1
Dichlorotetrafluoroethane	ND		14	4.0	ug/m3			03/08/26 11:17	1
Ethylbenzene	**2.6**		2.2	0.90	ug/m3			03/08/26 11:17	1
Hexachloro-1,3-butadiene	ND		16	6.9	ug/m3			03/08/26 11:17	1
Isopropanol	ND		12	7.8	ug/m3			03/08/26 11:17	1
Methylene Chloride	ND		4.3	1.5	ug/m3			03/08/26 11:17	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2	2.4	ug/m3			03/08/26 11:17	1
n-Butylbenzene	ND		8.2	3.0	ug/m3			03/08/26 11:17	1
o-Xylene	**4.6**		2.2	0.89	ug/m3			03/08/26 11:17	1
m,p-Xylene	**12**		8.7	2.4	ug/m3			03/08/26 11:17	1
sec-Butylbenzene	ND		8.2	2.3	ug/m3			03/08/26 11:17	1
Styrene	ND		6.4	2.2	ug/m3			03/08/26 11:17	1
trans-1,2-Dichloroethene	ND		2.0	0.89	ug/m3			03/08/26 11:17	1
trans-1,3-Dichloropropene	ND		4.5	1.1	ug/m3			03/08/26 11:17	1
tert-Butylbenzene	ND		8.2	2.4	ug/m3			03/08/26 11:17	1
Tetrachloroethene	**4.0**		3.4	1.5	ug/m3			03/08/26 11:17	1
Toluene	**77**		1.9	0.80	ug/m3			03/08/26 11:17	1
Trichloroethene	**1.7**	**J**	2.7	1.1	ug/m3			03/08/26 11:17	1
Trichlorofluoromethane	ND		5.6	1.3	ug/m3			03/08/26 11:17	1
Vinyl acetate	ND		7.0	2.2	ug/m3			03/08/26 11:17	1
Vinyl chloride	ND		1.3	0.67	ug/m3			03/08/26 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 132*		*03/08/26 11:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/08/26 11:17*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/08/26 11:17*	*1*

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - RA

Client Sample ID: SV-11-5.0-250305
Date Collected: 03/05/26 08:29
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Lab Sample ID: 570-270424-1
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.1**	**J**	4.8	1.9	ug/m3			03/09/26 21:59	1
Methylene Chloride	ND		4.3	1.5	ug/m3			03/09/26 21:59	1
Trichloroethene	ND		2.7	1.1	ug/m3			03/09/26 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 132*		*03/09/26 21:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/09/26 21:59*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/09/26 21:59*	*1*

Client: Terraphase Engineering Inc.
Job ID: 570-270424-1
Project/Site: Centennial High School PEA

Method: EPA TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Client Sample ID: SV-11-5.0-250305
Lab Sample ID: 570-270424-1
Date Collected: 03/05/26 08:29
Matrix: Air
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH (as Gasoline)	35000		8200	4000	ug/m3			03/06/26 13:35	1

Client Sample ID: SV-09-5.0-250305
Lab Sample ID: 570-270424-2
Date Collected: 03/05/26 08:59
Matrix: Air
Date Received: 03/05/26 12:21
Sample Container: Summa Canister 1L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH (as Gasoline)	14000		8200	4000	ug/m3			03/06/26 13:46	1

Surrogate Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Matrix: Air

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		DCA	BFB	TOL						
Lab Sample ID	Client Sample ID	(66-132)	(70-130)	(70-130)						
570-270424-1	SV-11-5.0-250305	89	100	101						
570-270424-1 - RA	SV-11-5.0-250305	92	99	104						
570-270424-2	SV-09-5.0-250305	90	99	97						
LCS 570-705971/3	Lab Control Sample	83	98	98						
LCS 570-706410/3	Lab Control Sample	87	100	100						
LCSD 570-705971/4	Lab Control Sample Dup	87	101	97						
LCSD 570-706410/4	Lab Control Sample Dup	86	101	99						
MB 570-705971/6	Method Blank	88	97	94						
MB 570-706410/6	Method Blank	86	95	101						

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 570-705971/6
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	1.1	ug/m3			03/07/26 16:14	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.3	ug/m3			03/07/26 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.2	ug/m3			03/07/26 16:14	1
1,1,2-Trichloroethane	ND		2.7	1.3	ug/m3			03/07/26 16:14	1
1,1-Dichloroethane	ND		2.0	0.87	ug/m3			03/07/26 16:14	1
1,1-Dichloroethene	ND		2.0	0.87	ug/m3			03/07/26 16:14	1
1,1-Difluoroethane	ND		14	2.0	ug/m3			03/07/26 16:14	1
1,2,4-Trichlorobenzene	ND		15	7.5	ug/m3			03/07/26 16:14	1
1,2,4-Trimethylbenzene	ND		7.4	2.1	ug/m3			03/07/26 16:14	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.9	ug/m3			03/07/26 16:14	1
1,2-Dibromoethane	ND		3.8	1.4	ug/m3			03/07/26 16:14	1
1,2-Dichlorobenzene	ND		3.0	1.6	ug/m3			03/07/26 16:14	1
1,2-Dichloroethane	ND		2.0	0.78	ug/m3			03/07/26 16:14	1
1,2-Dichloropropane	ND		2.3	0.90	ug/m3			03/07/26 16:14	1
1,3,5-Trimethylbenzene	ND		2.5	1.0	ug/m3			03/07/26 16:14	1
1,3-Dichlorobenzene	ND		3.0	1.7	ug/m3			03/07/26 16:14	1
1,4-Dichlorobenzene	ND		3.0	1.8	ug/m3			03/07/26 16:14	1
2-Butanone (MEK)	ND		4.4	1.8	ug/m3			03/07/26 16:14	1
2-Hexanone	ND		6.1	3.0	ug/m3			03/07/26 16:14	1
4-Ethyltoluene	ND		2.5	1.1	ug/m3			03/07/26 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	2.6	ug/m3			03/07/26 16:14	1
Acetone	ND		4.8	1.9	ug/m3			03/07/26 16:14	1
Benzene	ND		1.6	0.63	ug/m3			03/07/26 16:14	1
Benzyl chloride	ND		7.8	3.8	ug/m3			03/07/26 16:14	1
Bromodichloromethane	ND		3.4	1.2	ug/m3			03/07/26 16:14	1
Bromoform	ND		5.2	1.8	ug/m3			03/07/26 16:14	1
Bromomethane	ND		1.9	0.96	ug/m3			03/07/26 16:14	1
cis-1,2-Dichloroethene	ND		2.0	0.94	ug/m3			03/07/26 16:14	1
cis-1,3-Dichloropropene	ND		2.3	1.1	ug/m3			03/07/26 16:14	1
Carbon disulfide	ND		6.2	0.88	ug/m3			03/07/26 16:14	1
Carbon tetrachloride	ND		3.1	1.0	ug/m3			03/07/26 16:14	1
Chlorobenzene	ND		2.3	0.73	ug/m3			03/07/26 16:14	1
Chloroethane	ND		1.3	0.77	ug/m3			03/07/26 16:14	1
Chloroform	ND		2.4	1.1	ug/m3			03/07/26 16:14	1
Chloromethane	ND		1.0	0.62	ug/m3			03/07/26 16:14	1
Dibromochloromethane	ND		4.3	1.3	ug/m3			03/07/26 16:14	1
Dichlorodifluoromethane	ND		2.5	1.5	ug/m3			03/07/26 16:14	1
Dichlorotetrafluoroethane	ND		14	4.0	ug/m3			03/07/26 16:14	1
Ethylbenzene	ND		2.2	0.90	ug/m3			03/07/26 16:14	1
Hexachloro-1,3-butadiene	ND		16	6.9	ug/m3			03/07/26 16:14	1
Isopropanol	ND		12	7.8	ug/m3			03/07/26 16:14	1
Methylene Chloride	ND		4.3	1.5	ug/m3			03/07/26 16:14	1
Methyl-t-Butyl Ether (MTBE)	ND		7.2	2.4	ug/m3			03/07/26 16:14	1
n-Butylbenzene	ND		8.2	3.0	ug/m3			03/07/26 16:14	1
o-Xylene	ND		2.2	0.89	ug/m3			03/07/26 16:14	1
m,p-Xylene	ND		8.7	2.4	ug/m3			03/07/26 16:14	1
sec-Butylbenzene	ND		8.2	2.3	ug/m3			03/07/26 16:14	1
Styrene	ND		6.4	2.2	ug/m3			03/07/26 16:14	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-705971/6
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0	0.89	ug/m3			03/07/26 16:14	1
trans-1,3-Dichloropropene	ND		4.5	1.1	ug/m3			03/07/26 16:14	1
tert-Butylbenzene	ND		8.2	2.4	ug/m3			03/07/26 16:14	1
Tetrachloroethene	ND		3.4	1.5	ug/m3			03/07/26 16:14	1
Toluene	ND		1.9	0.80	ug/m3			03/07/26 16:14	1
Trichloroethene	ND		2.7	1.1	ug/m3			03/07/26 16:14	1
Trichlorofluoromethane	ND		5.6	1.3	ug/m3			03/07/26 16:14	1
Vinyl acetate	ND		7.0	2.2	ug/m3			03/07/26 16:14	1
Vinyl chloride	ND		1.3	0.67	ug/m3			03/07/26 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*66 - 132*		*03/07/26 16:14*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/07/26 16:14*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/07/26 16:14*	*1*

Lab Sample ID: LCS 570-705971/3
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	136	124.1		ug/m3		91	67 - 135
1,1,2,2-Tetrachloroethane	172	174.1		ug/m3		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	193.3		ug/m3		101	70 - 130
1,1,2-Trichloroethane	136	145.1		ug/m3		106	69 - 131
1,1-Dichloroethane	101	104.9		ug/m3		104	69 - 130
1,1-Dichloroethene	99.1	94.65		ug/m3		95	64 - 135
1,1-Difluoroethane	67.5	62.97		ug/m3		93	57 - 146
1,2,4-Trichlorobenzene	186	208.0		ug/m3		112	51 - 134
1,2,4-Trimethylbenzene	123	123.7		ug/m3		101	68 - 130
1,2-Dibromo-3-Chloropropane	242	237.4		ug/m3		98	66 - 130
1,2-Dibromoethane	192	206.2		ug/m3		107	70 - 130
1,2-Dichlorobenzene	150	153.5		ug/m3		102	68 - 130
1,2-Dichloroethane	101	95.00		ug/m3		94	65 - 136
1,2-Dichloropropane	116	122.2		ug/m3		106	68 - 132
1,3,5-Trimethylbenzene	123	122.0		ug/m3		99	69 - 130
1,3-Dichlorobenzene	150	153.5		ug/m3		102	65 - 130
1,4-Dichlorobenzene	150	150.3		ug/m3		100	64 - 130
2-Butanone (MEK)	73.7	77.44		ug/m3		105	66 - 143
2-Hexanone	102	109.2		ug/m3		107	64 - 139
4-Ethyltoluene	123	126.8		ug/m3		103	69 - 130
4-Methyl-2-pentanone (MIBK)	102	106.8		ug/m3		104	65 - 135
Acetone	59.4	62.36		ug/m3		105	70 - 130
Benzene	79.9	82.04		ug/m3		103	68 - 134
Benzyl chloride	129	146.6		ug/m3		113	70 - 130
Bromodichloromethane	168	168.6		ug/m3		101	69 - 132
Bromoform	258	268.1		ug/m3		104	70 - 130
Bromomethane	97.1	112.6		ug/m3		116	65 - 130
cis-1,2-Dichloroethene	99.1	105.9		ug/m3		107	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-705971/3
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	113	119.2		ug/m3		105	70 - 134
Carbon disulfide	77.9	82.93		ug/m3		107	70 - 130
Carbon tetrachloride	157	142.8		ug/m3		91	68 - 133
Chlorobenzene	115	116.8		ug/m3		102	70 - 130
Chloroethane	66.0	65.65		ug/m3		100	66 - 134
Chloroform	122	123.4		ug/m3		101	67 - 131
Chloromethane	51.6	51.86		ug/m3		100	60 - 137
Dibromochloromethane	213	213.4		ug/m3		100	70 - 130
Dichlorodifluoromethane	124	119.3		ug/m3		97	57 - 138
Dichlorotetrafluoroethane	175	189.3		ug/m3		108	60 - 133
Ethylbenzene	109	110.6		ug/m3		102	70 - 130
Hexachloro-1,3-butadiene	267	262.5		ug/m3		98	58 - 130
Isopropanol	61.5	64.18		ug/m3		104	64 - 133
Methylene Chloride	86.8	93.42		ug/m3		108	65 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	90.56		ug/m3		100	70 - 130
n-Butylbenzene	137	136.8		ug/m3		100	64 - 130
o-Xylene	109	109.1		ug/m3		101	68 - 130
m,p-Xylene	217	224.6		ug/m3		103	70 - 130
sec-Butylbenzene	137	133.2		ug/m3		97	67 - 130
Styrene	106	116.9		ug/m3		110	70 - 130
trans-1,2-Dichloroethene	99.1	103.1		ug/m3		104	70 - 130
trans-1,3-Dichloropropene	113	121.2		ug/m3		107	66 - 142
tert-Butylbenzene	137	133.2		ug/m3		97	70 - 130
Tetrachloroethene	170	180.6		ug/m3		107	70 - 130
Toluene	94.2	98.85		ug/m3		105	70 - 130
Trichloroethene	134	134.0		ug/m3		100	69 - 130
Trichlorofluoromethane	140	130.9		ug/m3		93	62 - 139
Vinyl acetate	88.0	95.43		ug/m3		108	64 - 139
Vinyl chloride	63.9	65.15		ug/m3		102	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*66 - 132*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 570-705971/4
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	125.2		ug/m3		92	67 - 135	1	25
1,1,2,2-Tetrachloroethane	172	175.0		ug/m3		102	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroethane	192	195.6		ug/m3		102	70 - 130	1	25
1,1,2-Trichloroethane	136	143.0		ug/m3		105	69 - 131	1	25
1,1-Dichloroethane	101	103.2		ug/m3		102	69 - 130	2	25
1,1-Dichloroethene	99.1	92.55		ug/m3		93	64 - 135	2	25
1,1-Difluoroethane	67.5	60.85		ug/m3		90	57 - 146	3	25
1,2,4-Trichlorobenzene	186	206.8		ug/m3		111	51 - 134	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-705971/4
Matrix: Air
Analysis Batch: 705971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	123	120.5		ug/m3		98	68 - 130	3	25
1,2-Dibromo-3-Chloropropane	242	237.2		ug/m3		98	66 - 130	0	25
1,2-Dibromoethane	192	207.4		ug/m3		108	70 - 130	1	25
1,2-Dichlorobenzene	150	153.0		ug/m3		102	68 - 130	0	25
1,2-Dichloroethane	101	93.72		ug/m3		93	65 - 136	1	25
1,2-Dichloropropane	116	120.5		ug/m3		104	68 - 132	1	25
1,3,5-Trimethylbenzene	123	120.7		ug/m3		98	69 - 130	1	25
1,3-Dichlorobenzene	150	152.0		ug/m3		101	65 - 130	1	25
1,4-Dichlorobenzene	150	149.9		ug/m3		100	64 - 130	0	25
2-Butanone (MEK)	73.7	74.54		ug/m3		101	66 - 143	4	25
2-Hexanone	102	105.2		ug/m3		103	64 - 139	4	25
4-Ethyltoluene	123	124.7		ug/m3		102	69 - 130	2	25
4-Methyl-2-pentanone (MIBK)	102	104.6		ug/m3		102	65 - 135	2	25
Acetone	59.4	59.95		ug/m3		101	70 - 130	4	25
Benzene	79.9	84.01		ug/m3		105	68 - 134	2	25
Benzyl chloride	129	146.1		ug/m3		113	70 - 130	0	25
Bromodichloromethane	168	166.9		ug/m3		100	69 - 132	1	25
Bromoform	258	268.6		ug/m3		104	70 - 130	0	25
Bromomethane	97.1	105.7		ug/m3		109	65 - 130	6	25
cis-1,2-Dichloroethene	99.1	100.6		ug/m3		102	70 - 130	5	25
cis-1,3-Dichloropropene	113	116.4		ug/m3		103	70 - 134	2	25
Carbon disulfide	77.9	81.35		ug/m3		104	70 - 130	2	25
Carbon tetrachloride	157	140.5		ug/m3		89	68 - 133	2	25
Chlorobenzene	115	119.2		ug/m3		104	70 - 130	2	25
Chloroethane	66.0	66.13		ug/m3		100	66 - 134	1	25
Chloroform	122	122.1		ug/m3		100	67 - 131	1	25
Chloromethane	51.6	49.85		ug/m3		97	60 - 137	4	25
Dibromochloromethane	213	207.6		ug/m3		98	70 - 130	3	25
Dichlorodifluoromethane	124	119.1		ug/m3		96	57 - 138	0	25
Dichlorotetrafluoroethane	175	183.8		ug/m3		105	60 - 133	3	25
Ethylbenzene	109	111.5		ug/m3		103	70 - 130	1	25
Hexachloro-1,3-butadiene	267	261.1		ug/m3		98	58 - 130	1	25
Isopropanol	61.5	64.29		ug/m3		105	64 - 133	0	25
Methylene Chloride	86.8	90.66		ug/m3		104	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	90.1	89.07		ug/m3		99	70 - 130	2	25
n-Butylbenzene	137	136.4		ug/m3		99	64 - 130	0	25
o-Xylene	109	108.0		ug/m3		99	68 - 130	1	25
m,p-Xylene	217	223.3		ug/m3		103	70 - 130	1	25
sec-Butylbenzene	137	133.1		ug/m3		97	67 - 130	0	25
Styrene	106	117.1		ug/m3		110	70 - 130	0	25
trans-1,2-Dichloroethene	99.1	100.5		ug/m3		101	70 - 130	3	25
trans-1,3-Dichloropropene	113	118.1		ug/m3		104	66 - 142	3	25
tert-Butylbenzene	137	132.6		ug/m3		97	70 - 130	0	25
Tetrachloroethene	170	181.2		ug/m3		107	70 - 130	0	25
Toluene	94.2	94.08		ug/m3		100	70 - 130	5	25
Trichloroethene	134	131.1		ug/m3		98	69 - 130	2	25
Trichlorofluoromethane	140	130.8		ug/m3		93	62 - 139	0	25
Vinyl acetate	88.0	95.59		ug/m3		109	64 - 139	0	25
Vinyl chloride	63.9	65.60		ug/m3		103	65 - 130	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 132*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 570-706410/6
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	1.1	ug/m3			03/09/26 15:49	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.3	ug/m3			03/09/26 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	2.2	ug/m3			03/09/26 15:49	1
1,1,2-Trichloroethane	ND		2.7	1.3	ug/m3			03/09/26 15:49	1
1,1-Dichloroethane	ND		2.0	0.87	ug/m3			03/09/26 15:49	1
1,1-Dichloroethene	ND		2.0	0.87	ug/m3			03/09/26 15:49	1
1,1-Difluoroethane	ND		14	2.0	ug/m3			03/09/26 15:49	1
1,2,4-Trichlorobenzene	ND		15	7.5	ug/m3			03/09/26 15:49	1
1,2,4-Trimethylbenzene	ND		7.4	2.1	ug/m3			03/09/26 15:49	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.9	ug/m3			03/09/26 15:49	1
1,2-Dibromoethane	ND		3.8	1.4	ug/m3			03/09/26 15:49	1
1,2-Dichlorobenzene	ND		3.0	1.6	ug/m3			03/09/26 15:49	1
1,2-Dichloroethane	ND		2.0	0.78	ug/m3			03/09/26 15:49	1
1,2-Dichloropropane	ND		2.3	0.90	ug/m3			03/09/26 15:49	1
1,3,5-Trimethylbenzene	ND		2.5	1.0	ug/m3			03/09/26 15:49	1
1,3-Dichlorobenzene	ND		3.0	1.7	ug/m3			03/09/26 15:49	1
1,4-Dichlorobenzene	ND		3.0	1.8	ug/m3			03/09/26 15:49	1
2-Butanone (MEK)	ND		4.4	1.8	ug/m3			03/09/26 15:49	1
2-Hexanone	ND		6.1	3.0	ug/m3			03/09/26 15:49	1
4-Ethyltoluene	ND		2.5	1.1	ug/m3			03/09/26 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		6.1	2.6	ug/m3			03/09/26 15:49	1
Acetone	ND		4.8	1.9	ug/m3			03/09/26 15:49	1
Benzene	ND		1.6	0.63	ug/m3			03/09/26 15:49	1
Benzyl chloride	ND		7.8	3.8	ug/m3			03/09/26 15:49	1
Bromodichloromethane	ND		3.4	1.2	ug/m3			03/09/26 15:49	1
Bromoform	ND		5.2	1.8	ug/m3			03/09/26 15:49	1
Bromomethane	ND		1.9	0.96	ug/m3			03/09/26 15:49	1
cis-1,2-Dichloroethene	ND		2.0	0.94	ug/m3			03/09/26 15:49	1
cis-1,3-Dichloropropene	ND		2.3	1.1	ug/m3			03/09/26 15:49	1
Carbon disulfide	ND		6.2	0.88	ug/m3			03/09/26 15:49	1
Carbon tetrachloride	ND		3.1	1.0	ug/m3			03/09/26 15:49	1
Chlorobenzene	ND		2.3	0.73	ug/m3			03/09/26 15:49	1
Chloroethane	ND		1.3	0.77	ug/m3			03/09/26 15:49	1
Chloroform	ND		2.4	1.1	ug/m3			03/09/26 15:49	1
Chloromethane	ND		1.0	0.62	ug/m3			03/09/26 15:49	1
Dibromochloromethane	ND		4.3	1.3	ug/m3			03/09/26 15:49	1
Dichlorodifluoromethane	ND		2.5	1.5	ug/m3			03/09/26 15:49	1
Dichlorotetrafluoroethane	ND		14	4.0	ug/m3			03/09/26 15:49	1
Ethylbenzene	ND		2.2	0.90	ug/m3			03/09/26 15:49	1
Hexachloro-1,3-butadiene	ND		16	6.9	ug/m3			03/09/26 15:49	1
Isopropanol	ND		12	7.8	ug/m3			03/09/26 15:49	1
Methylene Chloride	ND		4.3	1.5	ug/m3			03/09/26 15:49	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 570-706410/6
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		7.2	2.4	ug/m3			03/09/26 15:49	1
n-Butylbenzene	ND		8.2	3.0	ug/m3			03/09/26 15:49	1
o-Xylene	ND		2.2	0.89	ug/m3			03/09/26 15:49	1
m,p-Xylene	ND		8.7	2.4	ug/m3			03/09/26 15:49	1
sec-Butylbenzene	ND		8.2	2.3	ug/m3			03/09/26 15:49	1
Styrene	ND		6.4	2.2	ug/m3			03/09/26 15:49	1
trans-1,2-Dichloroethene	ND		2.0	0.89	ug/m3			03/09/26 15:49	1
trans-1,3-Dichloropropene	ND		4.5	1.1	ug/m3			03/09/26 15:49	1
tert-Butylbenzene	ND		8.2	2.4	ug/m3			03/09/26 15:49	1
Tetrachloroethene	ND		3.4	1.5	ug/m3			03/09/26 15:49	1
Toluene	ND		1.9	0.80	ug/m3			03/09/26 15:49	1
Trichloroethene	ND		2.7	1.1	ug/m3			03/09/26 15:49	1
Trichlorofluoromethane	ND		5.6	1.3	ug/m3			03/09/26 15:49	1
Vinyl acetate	ND		7.0	2.2	ug/m3			03/09/26 15:49	1
Vinyl chloride	ND		1.3	0.67	ug/m3			03/09/26 15:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 132*		*03/09/26 15:49*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*03/09/26 15:49*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/09/26 15:49*	*1*

Lab Sample ID: LCS 570-706410/3
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	136	117.9		ug/m3		86	67 - 135
1,1,2,2-Tetrachloroethane	172	170.3		ug/m3		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	192	186.2		ug/m3		97	70 - 130
1,1,2-Trichloroethane	136	139.5		ug/m3		102	69 - 131
1,1-Dichloroethane	101	98.63		ug/m3		97	69 - 130
1,1-Dichloroethene	99.1	92.38		ug/m3		93	64 - 135
1,1-Difluoroethane	67.5	65.32		ug/m3		97	57 - 146
1,2,4-Trichlorobenzene	186	195.2		ug/m3		105	51 - 134
1,2,4-Trimethylbenzene	123	116.5		ug/m3		95	68 - 130
1,2-Dibromo-3-Chloropropane	242	227.9		ug/m3		94	66 - 130
1,2-Dibromoethane	192	200.0		ug/m3		104	70 - 130
1,2-Dichlorobenzene	150	144.7		ug/m3		96	68 - 130
1,2-Dichloroethane	101	90.76		ug/m3		90	65 - 136
1,2-Dichloropropane	116	118.9		ug/m3		103	68 - 132
1,3,5-Trimethylbenzene	123	115.0		ug/m3		94	69 - 130
1,3-Dichlorobenzene	150	146.8		ug/m3		98	65 - 130
1,4-Dichlorobenzene	150	147.7		ug/m3		98	64 - 130
2-Butanone (MEK)	73.7	75.24		ug/m3		102	66 - 143
2-Hexanone	102	106.1		ug/m3		104	64 - 139
4-Ethyltoluene	123	120.2		ug/m3		98	69 - 130
4-Methyl-2-pentanone (MIBK)	102	105.1		ug/m3		103	65 - 135
Acetone	59.4	58.96		ug/m3		99	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 570-706410/3
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	79.9	80.53		ug/m3		101	68 - 134
Benzyl chloride	129	142.9		ug/m3		110	70 - 130
Bromodichloromethane	168	163.1		ug/m3		97	69 - 132
Bromoform	258	257.6		ug/m3		100	70 - 130
Bromomethane	97.1	106.4		ug/m3		110	65 - 130
cis-1,2-Dichloroethene	99.1	97.09		ug/m3		98	70 - 130
cis-1,3-Dichloropropene	113	118.0		ug/m3		104	70 - 134
Carbon disulfide	77.9	78.57		ug/m3		101	70 - 130
Carbon tetrachloride	157	136.1		ug/m3		87	68 - 133
Chlorobenzene	115	112.8		ug/m3		98	70 - 130
Chloroethane	66.0	59.94		ug/m3		91	66 - 134
Chloroform	122	114.4		ug/m3		94	67 - 131
Chloromethane	51.6	50.36		ug/m3		98	60 - 137
Dibromochloromethane	213	207.0		ug/m3		97	70 - 130
Dichlorodifluoromethane	124	112.5		ug/m3		91	57 - 138
Dichlorotetrafluoroethane	175	175.3		ug/m3		100	60 - 133
Ethylbenzene	109	106.1		ug/m3		98	70 - 130
Hexachloro-1,3-butadiene	267	249.7		ug/m3		94	58 - 130
Isopropanol	61.5	63.35		ug/m3		103	64 - 133
Methylene Chloride	86.8	88.80		ug/m3		102	65 - 130
Methyl-t-Butyl Ether (MTBE)	90.1	87.52		ug/m3		97	70 - 130
n-Butylbenzene	137	131.6		ug/m3		96	64 - 130
o-Xylene	109	103.0		ug/m3		95	68 - 130
m,p-Xylene	217	221.3		ug/m3		102	70 - 130
sec-Butylbenzene	137	129.2		ug/m3		94	67 - 130
Styrene	106	111.8		ug/m3		105	70 - 130
trans-1,2-Dichloroethene	99.1	98.69		ug/m3		100	70 - 130
trans-1,3-Dichloropropene	113	115.8		ug/m3		102	66 - 142
tert-Butylbenzene	137	127.3		ug/m3		93	70 - 130
Tetrachloroethene	170	176.5		ug/m3		104	70 - 130
Toluene	94.2	95.46		ug/m3		101	70 - 130
Trichloroethene	134	130.5		ug/m3		97	69 - 130
Trichlorofluoromethane	140	123.5		ug/m3		88	62 - 139
Vinyl acetate	88.0	95.19		ug/m3		108	64 - 139
Vinyl chloride	63.9	64.12		ug/m3		100	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 132*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 570-706410/4
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	136	115.5		ug/m3		85	67 - 135	2	25
1,1,2,2-Tetrachloroethane	172	165.1		ug/m3		96	70 - 130	3	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-706410/4
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	192	180.2		ug/m3		94	70 - 130	3	25
1,1,2-Trichloroethane	136	138.9		ug/m3		102	69 - 131	0	25
1,1-Dichloroethane	101	94.34		ug/m3		93	69 - 130	4	25
1,1-Dichloroethene	99.1	87.04		ug/m3		88	64 - 135	6	25
1,1-Difluoroethane	67.5	64.08		ug/m3		95	57 - 146	2	25
1,2,4-Trichlorobenzene	186	198.3		ug/m3		107	51 - 134	2	25
1,2,4-Trimethylbenzene	123	113.1		ug/m3		92	68 - 130	3	25
1,2-Dibromo-3-Chloropropane	242	225.8		ug/m3		93	66 - 130	1	25
1,2-Dibromoethane	192	190.6		ug/m3		99	70 - 130	5	25
1,2-Dichlorobenzene	150	142.3		ug/m3		95	68 - 130	2	25
1,2-Dichloroethane	101	88.08		ug/m3		87	65 - 136	3	25
1,2-Dichloropropane	116	118.2		ug/m3		102	68 - 132	1	25
1,3,5-Trimethylbenzene	123	112.2		ug/m3		91	69 - 130	2	25
1,3-Dichlorobenzene	150	140.7		ug/m3		94	65 - 130	4	25
1,4-Dichlorobenzene	150	139.6		ug/m3		93	64 - 130	6	25
2-Butanone (MEK)	73.7	72.22		ug/m3		98	66 - 143	4	25
2-Hexanone	102	101.7		ug/m3		99	64 - 139	4	25
4-Ethyltoluene	123	117.4		ug/m3		95	69 - 130	2	25
4-Methyl-2-pentanone (MIBK)	102	103.1		ug/m3		101	65 - 135	2	25
Acetone	59.4	55.03		ug/m3		93	70 - 130	7	25
Benzene	79.9	81.04		ug/m3		101	68 - 134	1	25
Benzyl chloride	129	137.9		ug/m3		107	70 - 130	4	25
Bromodichloromethane	168	162.0		ug/m3		97	69 - 132	1	25
Bromoform	258	256.7		ug/m3		99	70 - 130	0	25
Bromomethane	97.1	98.72		ug/m3		102	65 - 130	8	25
cis-1,2-Dichloroethene	99.1	93.23		ug/m3		94	70 - 130	4	25
cis-1,3-Dichloropropene	113	115.6		ug/m3		102	70 - 134	2	25
Carbon disulfide	77.9	74.85		ug/m3		96	70 - 130	5	25
Carbon tetrachloride	157	134.8		ug/m3		86	68 - 133	1	25
Chlorobenzene	115	109.9		ug/m3		95	70 - 130	3	25
Chloroethane	66.0	61.89		ug/m3		94	66 - 134	3	25
Chloroform	122	113.1		ug/m3		93	67 - 131	1	25
Chloromethane	51.6	50.55		ug/m3		98	60 - 137	0	25
Dibromochloromethane	213	196.9		ug/m3		92	70 - 130	5	25
Dichlorodifluoromethane	124	108.8		ug/m3		88	57 - 138	3	25
Dichlorotetrafluoroethane	175	175.3		ug/m3		100	60 - 133	0	25
Ethylbenzene	109	102.7		ug/m3		95	70 - 130	3	25
Hexachloro-1,3-butadiene	267	247.6		ug/m3		93	58 - 130	1	25
Isopropanol	61.5	59.67		ug/m3		97	64 - 133	6	25
Methylene Chloride	86.8	83.06		ug/m3		96	65 - 130	7	25
Methyl-t-Butyl Ether (MTBE)	90.1	83.44		ug/m3		93	70 - 130	5	25
n-Butylbenzene	137	127.7		ug/m3		93	64 - 130	3	25
o-Xylene	109	99.95		ug/m3		92	68 - 130	3	25
m,p-Xylene	217	204.3		ug/m3		94	70 - 130	8	25
sec-Butylbenzene	137	124.4		ug/m3		91	67 - 130	4	25
Styrene	106	110.0		ug/m3		103	70 - 130	2	25
trans-1,2-Dichloroethene	99.1	94.84		ug/m3		96	70 - 130	4	25
trans-1,3-Dichloropropene	113	114.4		ug/m3		101	66 - 142	1	25

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCSD 570-706410/4
Matrix: Air
Analysis Batch: 706410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
tert-Butylbenzene			137	124.2		ug/m3		91	70 - 130	2	25
Tetrachloroethene			170	169.5		ug/m3		100	70 - 130	4	25
Toluene			94.2	90.66		ug/m3		96	70 - 130	5	25
Trichloroethene			134	129.2		ug/m3		96	69 - 130	1	25
Trichlorofluoromethane			140	121.5		ug/m3		86	62 - 139	2	25
Vinyl acetate			88.0	89.93		ug/m3		102	64 - 139	6	25
Vinyl chloride			63.9	61.84		ug/m3		97	65 - 130	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 132*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: TO3 - Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)

Lab Sample ID: MB 570-705353/3
Matrix: Air
Analysis Batch: 705353

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH (as Gasoline)	ND		8200	4000	ug/m3			03/06/26 09:14	1

Lab Sample ID: LCS 570-705353/2
Matrix: Air
Analysis Batch: 705353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TPH (as Gasoline)			818000	758100		ug/m3		93	80 - 120		

QC Association Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Air - GC/MS VOA

Analysis Batch: 705971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-270424-1	SV-11-5.0-250305	Total/NA	Air	TO-15	
570-270424-2	SV-09-5.0-250305	Total/NA	Air	TO-15	
MB 570-705971/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-705971/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-705971/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 706410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-270424-1 - RA	SV-11-5.0-250305	Total/NA	Air	TO-15	
MB 570-706410/6	Method Blank	Total/NA	Air	TO-15	
LCS 570-706410/3	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 570-706410/4	Lab Control Sample Dup	Total/NA	Air	TO-15	

Air - GC VOA

Analysis Batch: 705353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-270424-1	SV-11-5.0-250305	Total/NA	Air	TO3	
570-270424-2	SV-09-5.0-250305	Total/NA	Air	TO3	
MB 570-705353/3	Method Blank	Total/NA	Air	TO3	
LCS 570-705353/2	Lab Control Sample	Total/NA	Air	TO3	

Lab Chronicle

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Client Sample ID: SV-11-5.0-250305

Lab Sample ID: 570-270424-1

Date Collected: 03/05/26 08:29

Matrix: Air

Date Received: 03/05/26 12:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	705971	03/08/26 10:22	YY9P	EET CAL 4
	Instrument ID: GCMSHH									
Total/NA	Analysis	TO-15	RA	1	250 mL	250 mL	706410	03/09/26 21:59	YY9P	EET CAL 4
	Instrument ID: GCMSHH									
Total/NA	Analysis	TO3		1	5 mL	5 mL	705353	03/06/26 13:35	I9H5	EET CAL 4
	Instrument ID: GC13									

Client Sample ID: SV-09-5.0-250305

Lab Sample ID: 570-270424-2

Date Collected: 03/05/26 08:59

Matrix: Air

Date Received: 03/05/26 12:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	250 mL	250 mL	705971	03/08/26 11:17	YY9P	EET CAL 4
	Instrument ID: GCMSHH									
Total/NA	Analysis	TO3		1	5 mL	5 mL	705353	03/06/26 13:46	I9H5	EET CAL 4
	Instrument ID: GC13									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,1,1-Trichloroethane
TO-15		Air	1,1,2,2-Tetrachloroethane
TO-15		Air	1,1,2-Trichloro-1,2,2-trifluoroethane
TO-15		Air	1,1,2-Trichloroethane
TO-15		Air	1,1-Dichloroethane
TO-15		Air	1,1-Dichloroethene
TO-15		Air	1,1-Difluoroethane
TO-15		Air	1,2,4-Trichlorobenzene
TO-15		Air	1,2,4-Trimethylbenzene
TO-15		Air	1,2-Dibromo-3-Chloropropane
TO-15		Air	1,2-Dibromoethane
TO-15		Air	1,2-Dichlorobenzene
TO-15		Air	1,2-Dichloroethane
TO-15		Air	1,2-Dichloropropane
TO-15		Air	1,3,5-Trimethylbenzene
TO-15		Air	1,3-Dichlorobenzene
TO-15		Air	1,4-Dichlorobenzene
TO-15		Air	2-Butanone (MEK)
TO-15		Air	2-Hexanone
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Methyl-2-pentanone (MIBK)
TO-15		Air	Acetone
TO-15		Air	Benzene
TO-15		Air	Benzyl chloride
TO-15		Air	Bromodichloromethane
TO-15		Air	Bromoform
TO-15		Air	Bromomethane
TO-15		Air	Carbon disulfide
TO-15		Air	Carbon tetrachloride
TO-15		Air	Chlorobenzene
TO-15		Air	Chloroethane
TO-15		Air	Chloroform
TO-15		Air	Chloromethane
TO-15		Air	cis-1,2-Dichloroethene
TO-15		Air	cis-1,3-Dichloropropene
TO-15		Air	Dibromochloromethane
TO-15		Air	Dichlorodifluoromethane
TO-15		Air	Dichlorotetrafluoroethane
TO-15		Air	Ethylbenzene
TO-15		Air	Hexachloro-1,3-butadiene
TO-15		Air	Isopropanol
TO-15		Air	m,p-Xylene
TO-15		Air	Methylene Chloride
TO-15		Air	Methyl-t-Butyl Ether (MTBE)
TO-15		Air	n-Butylbenzene

Client: Terraphase Engineering Inc. Job ID: 570-270424-1
Project/Site: Centennial High School PEA

Laboratory: Eurofins Calscience (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	o-Xylene
TO-15		Air	sec-Butylbenzene
TO-15		Air	Styrene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrachloroethene
TO-15		Air	Toluene
TO-15		Air	trans-1,2-Dichloroethene
TO-15		Air	trans-1,3-Dichloropropene
TO-15		Air	Trichloroethene
TO-15		Air	Trichlorofluoromethane
TO-15		Air	Vinyl acetate
TO-15		Air	Vinyl chloride
TO3		Air	TPH (as Gasoline)

Oregon	NELAP	4175	02-02-27

Method Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET CAL 4
TO3	Volatile Organic Compounds in Ambient Air, Cryogenic Pre-Conc Techniques (GC)	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Terraphase Engineering Inc.
Project/Site: Centennial High School PEA

Job ID: 570-270424-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-270424-1	SV-11-5.0-250305	Air	03/05/26 08:29	03/05/26 12:21	Air Canister (1-Liter) #LC397
570-270424-2	SV-09-5.0-250305	Air	03/05/26 08:59	03/05/26 12:21	Air Canister (1-Liter) #LC1252

eurofins | Calscience

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-270424 Chain of Custody

Loc: 570
270424

AIR CHAIN-OF-CUSTODY RECORD

DATE: 3/5/26
PAGE: 1 OF 1

LABORATORY CLIENT: Terraphase Engineering	CLIENT PROJECT NAME / NO.: Centennial High School
ADDRESS: 15401 Von Karman Ave #410	PROJECT CONTACT: Vanya Keyes
CITY: Irvine STATE: CA ZIP: 92612	P.O. NO.: 0125.002.002
TEL: 949 377 2227 E-MAIL: Clare.steedman@terraphase.com	LAB CONTACT OR QUOTE NO.:
PROJECT ADDRESS: 2606 N Central Ave	SAMPLER(S): (PRINT) B. Abuyudeh
CITY: Compton STATE: CA ZIP: 90221	

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER

UNITS:

SPECIAL INSTRUCTIONS: Please send report to vanya.keyes@terraphase.com

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX: Indoor (I) Soil Vap. (SV) Ambient (A)	SAMPLING EQUIPMENT: Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	VOCs TO-15	TPH TO-3M			
1	SV-11-5.0-250305	SV-11-5.0	SV	LC397	1L	A239	3/5/26	0824	30	3/5/26	0829	5	X	X			
2	SV-09-5.0-250305	SV-09-5.0	SV	LC1252	1L	A247	3/5/26	0854	29	3/5/26	0859	5	X	X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 3/5/26	Time: 1221
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2022-05-31 Revision

Login Sample Receipt Checklist

Client: Terraphase Engineering Inc.

Job Number: 570-270424-1

Login Number: 270424

List Number: 1

Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix E

Supporting Calculations for Screening Level Human Health Risk Assessment

Appendix E

Risk-Based Screening Levels
Supporting Information and Calculations

Contents

1 Introduction 1
2 Risk-Based Screening Levels 1
2.1 High School Student 1
2.1.1 Exposure to Soil During Outdoor Activities 2
2.1.2 Vapor Intrusion 5
2.2 School Worker 6
2.3 Maintenance Workers 6
2.4 Construction Workers 6
3 References 7

Attachments

1 Toxicity Values and Risk Based Screening Levels
2 High School Student Risk Based Screening Level Calculations
3 School Worker Risk Based Screening Level Calculations
4 Maintenance Worker Risk Based Screening Level Calculations
5 Construction Worker Risk Based Screening Level Calculations

1 Introduction

Terraphase Engineering, Inc. (Terraphase), on behalf of Compton Unified School District (the District), has prepared this appendix to document the calculation of receptor-specific risk-based screening levels (RBSLs) for soil and soil vapor. The RBSLs have been developed to support the *Preliminary Environmental Assessment Report* (Report) conducted for Centennial High School, located at 2606 North Central Avenue, Compton, California (the Site). The RBSLs are developed with consideration for current and reasonably anticipated future land use at the Site and use methods and assumptions consistent with California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) and United States Environmental Protection Agency (USEPA) risk assessment guidance.

RBSLs are developed for the following exposure scenarios:

- High school student exposure to constituents of potential concern (COPC) in soil via direct contact[1] and vapor intrusion
- School worker exposure to COPC in soil via direct contact and vapor intrusion
- Maintenance worker exposure to COPC in soil via direct contact
- Construction worker exposure to COPC in soil via direct contact

RBSLs are calculated for each of the COPC that have been identified in soil and soil vapor during the 2026 investigation activities. A list of these COPC is provided in Attachment 1, Table 1.

The exposure factors for each receptor and exposure scenario are presented in Section 8.22 of the Report. Human health-based RBSLs are calculated at a target cancer risk level of $1x10^{-6}$ and a target noncancer hazard quotient of 1, consistent with DTSC remedial action decision-making criteria (22 CCR § 69022; CalEPA 2015, 2022).

2 Risk-Based Screening Levels

This section details how RBSLs are calculated for high school students (Section 2.1), school workers (Section 2.2), maintenance workers (Section 2.3), and construction workers (Section 2.4).

2.1 High School Student

The RBSLs were calculated to evaluate student exposures to COPC in soil via: (1) direct contact and inhalation during outdoor activities and (2) vapor intrusion.

[1] Includes incidental ingestion and dermal contact with COPCs in soil and inhalation of COPCs in soil-derived vapor and particulates.

2.1.1 Exposure to Soil During Outdoor Activities

RBSLs for student exposure to COPC in soil via incidental ingestion, dermal contact, and inhalation of particulates and vapors were estimated as described below.

Lifetime Average Daily Dose

The lifetime average daily doses for soil ingestion (*$LADD_{ing}$*) and soil dermal contact (*$LADD_{derm}$*) are calculated as follows:

$$LADD_{ing} = C_{soil} \cdot \frac{IR \cdot FC \cdot EF \cdot ED}{BW \cdot AT_c}$$

$$LADD_{derm} = C_{soil} \cdot \frac{SA \cdot AF \cdot ABS_{derm} \cdot FC \cdot EF \cdot ED}{BW \cdot AT_c}$$

where *C_{soil}* is the chemical concentration in soil, *IR* is the ingestion rate, *FC* is the fraction of the soil that is contaminated, *SA* is the exposed skin surface area, *AF* is the soil-to-skin adherence factor, and *ABS_{derm}* is the chemical-specific dermal absorption factor.

Average Daily Dose

The average daily doses for soil ingestion (*ADD_{ing}*) and soil dermal contact (*ADD_{derm}*) are calculated as follows:

$$ADD_{ing} = C_{soil} \cdot \frac{IR \cdot FC \cdot EF \cdot ED}{BW \cdot AT_{nc}}$$

$$ADD_{derm} = C_{soil} \cdot \frac{SA \cdot AF \cdot ABS_{derm} \cdot FC \cdot EF \cdot ED}{BW \cdot AT_{nc}}$$

RBSL for Soil Ingestion and Dermal Exposure Routes

For the soil ingestion and dermal exposure routes, the cancer risk and noncancer HQ are calculated as follows:

$$Risk = LADD \cdot SF$$

$$HQ = \frac{ADD}{RfD}$$

The resulting RBSLs for each route (*i*) were calculated as follows:

$$Cancer\ RBSL_i = \frac{C_{unit} \cdot TCRL}{Risk_i}$$

$$Noncancer\ RBSL_i = \frac{C_{unit} \cdot THQ}{HQ_i}$$

The RBSLs for each route (*i*) are conservatively combined to give cancer and noncancer-based RBSLs that are based upon the combined receptor-specific exposure:

$$RBSL = \left(\sum_i RBSL_i^{-1} \right)^{-1}$$

The resulting RBSL calculations for each COPC for the soil ingestion and dermal exposure routes are presented in Attachment 2. The exposure factors used for students are presented in Section 8.2.2 of the Report.

Estimating Outdoor Air Concentrations

For the inhalation route, the outdoor air concentrations (C_{air}) of vapors and particulates from soil are calculated as follows:

$$C_{air} = J \cdot \frac{C}{Q}$$

where *J·C/Q* is an air concentration that is normalized to unit concentration (i.e., 1 milligram per kilogram [mg/kg]) in soil. The *J* term is the normalized average vapor (J_v) or particulate flux ($J_{10,w}$), and the *C/Q* term is the air concentration normalized to a unit flux (i.e., *C/Q* is an air dispersion factor).

The normalized average vapor flux J_v of a chemical from unsaturated soil is conservatively estimated using an unsteady-state model derived by Jury et al. (1983). This model conservatively assumes that volatile chemicals are present in the soil to a finite depth equal to the approximate depth to groundwater at the Site of 42 feet (ft) below ground surface (bgs). The equation for J_v is given by:

$$J_v = \frac{C_0}{T}\left[Z_1 erfc\left(\frac{Z_1}{2\sqrt{D_E T}} \right) + 2\sqrt{\frac{D_E T}{\pi}}\left(1 - e^{-\frac{Z_1^2}{4 D_E T}} \right) \right]$$

where,

$$D_E = \frac{D_G H + D_L}{\rho_b K_d + \theta_w + \theta_a H}$$

$$D_G = D_{air} \cdot \frac{\theta_a^{10/3}}{n^2}$$

$$D_L = D_{water} \cdot \frac{\theta_w^{10/3}}{n^2}$$

$C_{s,0}$ is the concentration in soil, ρ_b is the soil bulk density, *T* is the averaging period (equivalent to *ED*), *H* is the Henry's law constant, K_d is the equilibrium-partitioning coefficient, θ_w is the water-filled soil porosity, θ_a is the air-filled soil porosity, D_{air} is diffusion rate through air, D_{water} is the diffusion rate

through water, and *n* is total porosity. For this risk assessment, Henry's law constants have been adjusted to reflect a specific subsurface temperature of 24°C (CalEPA 2011).

Derivation of these equations and definition of the equation parameters can be found in the Jury et al. 1983 journal article and in USEPA guidance (1996a, 1996b) and therefore are not repeated here. The calculation of J_v was performed using values for chemical-specific parameters and default soil parameters recommended in the USEPA guidance (2004) using a soil type of silt loam, which is representative of the soil type found at the Site. The calculation of J_v is shown in Attachment 2, Table 1.

The normalized average particulate flux $J_{10,w}$ of a chemical from soil is conservatively estimated using the "unlimited reservoir" model that USEPA has adapted for screening-level analysis of particulate emissions from soil (USEPA 1996a, 1996b). This model assumes that particulate emissions are created by wind erosion. The equation for $J_{10,w}$ is given by:

$$J_{10,w} = 0.036 \cdot (1 - G) \cdot \left(\frac{u_m}{u_t}\right)^3 \cdot F(x) \frac{g}{m^2 hr} \cdot \frac{hr}{60^2 sec} \cdot \frac{10^{-3} kg}{g}$$

where *G* is fraction of ground/vegetative cover, u_m is the mean annual wind speed at the nearest weather station which is located in Long Beach, California (NOAA 2020), u_t is the equivalent threshold wind speed at the anemometer height at which u_m was measured in Long Beach, California, and *F(x)* is a function dependent on u_m/u_t. The details of this model can be found in USEPA guidance (1996a, 1996b) and are not repeated here. The default parameter values recommended in the USEPA guidance (1996a, 1996b) are used with site-specific wind speed in calculating $J_{10,w}$. The calculation of $J_{10,w}$ is shown in Attachment 2, Table 2.

The *C/Q* term is estimated using the empirical correlation in USEPA's *Supplemental Soil Screening Guidance* (2002), using the correlation coefficients for Los Angeles, California, and assuming a source area of 33 acres. This source area size is conservatively assumed to be the area of the entire Site. The calculation of C/Q is shown in Attachment 2, Table 3.

RBSL for Inhalation Route

For the inhalation route, the inhalation cancer risk and noncancer HQ are calculated using the chemical concentration in air (C_{air}), as follows:

$$Risk_{inh} = C_{air} \cdot URF \cdot \frac{ET \cdot EF \cdot ED}{AT_c}$$

$$HQ_{inh} = \frac{C_{air}}{RfC} \cdot \frac{ET \cdot EF \cdot ED}{AT_{nc}}$$

The resulting RBSLs for the inhalation route were calculated as follows:

$$Cancer\ RBSL_{inh} = \frac{C_{unit} \cdot TCRL}{Risk_{inh}}$$

$$Noncancer\ RBSL_{inh} = \frac{C_{unit} \cdot THQ}{HQ_{inh}}$$

The RBSLs for each route (i) were conservatively combined to give cancer and noncancer-based RBSLs that are based upon the combined receptor-specific exposure:

$$RBSL = \left(\sum_i RBSL_i^{-1} \right)^{-1}$$

The resulting RBSL calculations for each COPC for the inhalation route are presented in Attachment 2.

2.1.2 Vapor Intrusion

RBSLs for student exposure to soil vapor via vapor intrusion were estimated from TCRLs and noncancer HQs using the exposure factors described in Section 8.2.2 of the Report and the generic default attenuation factor of 0.03 recommended by CalEPA DTSC for use in screening level assessments. For the indoor air exposure pathway, the cancer risk and noncancer HQ were calculated as follows:

$$Risk = C_{indoor\ air} \cdot URF \cdot \frac{ET \cdot EF \cdot ED}{AT_c}$$

$$HQ = \frac{C_{indoor\ air}}{RfC} \cdot \frac{ET \cdot EF \cdot ED}{AT_{nc}}$$

Where:

- $C_{indoor\ air}$ = concentration in indoor air
- URF = the unit risk factor
- ET = the exposure time
- EF = the exposure frequency
- ED = the exposure duration
- ATc = the averaging time for carcinogens
- RfC = the reference concentration
- ATnc = the averaging time for noncarcinogens

$C_{indoor\ air}$ is modeled as follows:

$$C_{indoor\ air} = \alpha_{sg} \cdot C_{sg}$$

Where:

- α_{sg} = the generic default soil vapor-to-indoor air attenuation factor
- C_{sg} = the soil vapor (source) concentration

RBSLs were calculated using a TCRL of $1x10^{-6}$ and HQ of 1, consistent with DTSC remedial action decision-making criteria (22 CCR § 69022; CalEPA 2015, 2022), as follows:

$$Cancer\ RBSL = \frac{C_{indoor\ air} \cdot TCRL}{Risk}$$

$$Noncancer\ RBSL = \frac{C_{indoor\ air} \cdot THQ}{HQ}$$

The resulting RBSL calculations for each COPC for the inhalation route are presented in Attachment 2 of this appendix. The RBSLs for student vapor intrusion exposure are provided in Attachment 2, Table 6.

2.2 School Worker

RBSLs for school worker exposure to COPC via direct contact (incidental ingestion, dermal contact, and inhalation of particulates and vapors) with soil and vapor intrusion were estimated in a manner analogous to the calculations described in Section 2.1 for students. The only difference is the use of exposure factors for school workers.

The resulting RBSL calculations for each COPC are presented in Attachment 3. The exposure factors used for school workers are presented in Section 8.2.2 of the Report. The RBSLs for school worker soil direct contact and vapor intrusions exposures are provided in Attachment 1, Table 3.

2.3 Maintenance Workers

RBSLs for maintenance worker exposure to COPC in soil via incidental ingestion, dermal contact, and inhalation of particulates and vapors were estimated in a manner analogous to the calculations described in Section 2.1 for students. The only differences are the use of exposure factors for maintenance workers and that airborne dust concentrations are estimated as discussed below.

During maintenance activities, the PM_{10} level is set at 50 micrograms per cubic meter. This PM_{10} level is equal to the 24-hour average ambient air quality standard established by the California Air Resources Board.[2]

The resulting RBSL calculations for each COPC are presented in Attachment 3. The exposure factors used for maintenance workers are presented in Section 8.2.2 of the Report. The RBSLs for maintenance worker exposure to soil are provided in Attachment 1, Table 3.

2.4 Construction Workers

RBSLs for construction worker exposure to COPC in soil via incidental ingestion, dermal contact, and inhalation of particulates and vapors were estimated in a manner analogous to the calculations described in Section 2.3 for maintenance workers. The only differences are the use of exposure factors for construction workers and that airborne dust concentrations are estimated as discussed below.

[2] https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health.

During construction activities the PM_{10} level is set at 20 micrograms per cubic meter, which is the annual average ambient air quality standard established by the California Air Resources Board for PM_{10} since construction workers are assumed to be performing excavations for a work year. It is conservatively assumed that the PM_{10} concentration would be at this limit every day for the entire period of construction worker exposure.

The resulting RBSL calculations for each COPC are presented in Attachment 5. The exposure factors used for construction workers are presented in Section 8.2.2 of the Report. The RBSLs for construction worker exposure to soil are provided in Attachment 1, Table 3.

3 References

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Attachment 1

Toxicity Values and Risk Based Screening Levels

Table 1 – Toxicity Values

Table 2 – Physical Chemical Properties

Table 3 – Risk Based Screening Levels

Attachment E-1
Table 1
Toxicity Values
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	ADAF			SF_{oral} (mg/kg/d)$^{-1}$			SF_{dermal} (mg/kg/d)$^{-1}$			URF (mg/m^3)$^{-1}$			RfD_{oral} (mg/kg/d)				RfD_{dermal} (mg/kg/d)				RfC (mg/m^3)				$SRfD_{oral}$ (mg/kg/d)				$SRfD_{dermal}$ (mg/kg/d)				SRfC (mg/m^3)			
			Y/N	f_{oral}	f_{inh}	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes
VOC	Acetone	67-64-1	N												9.0E-01		147		9.0E-01		125	104	3.1E+01		147		9.0E-01		147	62	9.0E-01		125	104	3.1E+01		147	62
VOC	Benzene	71-43-2	N			1.0E-01	147		1.0E-01	125	104	2.9E-02	147		4.0E-03		147		4.0E-03		125	104	3.0E-03		147		1.0E-02	100	126		1.0E-02	100	125	104	9.0E-02	100	1	110
VOC	Benzyl chloride	100-44-7	N			1.7E-01	147		1.7E-01	125	104	4.9E-02	147		2.0E-03		147		2.0E-03		125	104	1.0E-03		147		2.0E-03	3,000	126		2.0E-03	3000	125	104	4.0E-03	300	126	
VOC	Bromobenzene	108-86-1	N												8.0E-03		147		8.0E-03		125	104	6.0E-02		147		2.0E-02	1,000	1		2.0E-02	1000	125	104	2.0E-01	300	1	
VOC	Bromochloromethane	74-97-5	N														126	90			125	104	4.0E-02		147				126	90			125	104	1.0E-01	3,000	126	
VOC	Bromodichloromethane	75-27-4	N			6.2E-02	147		6.2E-02	125	104	3.7E-02	147		8.0E-03		147		8.0E-03		125	104	3.2E-02		147	26	8.0E-03	100	126		8.0E-03	100	125	104	3.2E-02		147	26, 62
VOC	Bromoform	75-25-2	N			7.9E-03	147		7.9E-03	125	104	1.1E-03	147		2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	3.0E-02	100	126		3.0E-02	100	125	104	8.0E-02		147	26, 62
VOC	Bromomethane	74-83-9	N												1.4E-03		147		1.4E-03		125	104	5.0E-03		147		5.0E-03	300	126		5.0E-03	300	125	104	1.0E-01	30	126	
VOC	2-Butanone	78-93-3	N												6.0E-01		147		6.0E-01		125	104	5.0E+00		147		2.0E+00	1,000	2		2.0E+00	1000	125	104	5.0E+00		147	62
VOC	Butylbenzene	104-51-8	N												5.0E-02		147		5.0E-02		125	104	2.0E-01		147	26	1.0E-01	1,000	126		1.0E-01	1000	125	104	2.0E-01		147	26, 62
VOC	sec-Butylbenzene	135-98-8	N												1.0E-01		147		1.0E-01		125	104	4.0E-01		147	26	1.0E-01		147	62	1.0E-01		125	104	4.0E-01		147	26, 62
VOC	tert-Butylbenzene	98-06-6	N												1.0E-01		147		1.0E-01		125	104	4.0E-01		147	26	1.0E-01		147	62	1.0E-01		125	104	4.0E-01		147	26, 62
VOC	Carbon Disulfide	75-15-0	N												1.0E-01		147		1.0E-01		125	104	7.0E-01		147		1.0E-01	100	2	2	1.0E-01	100	125	104	7.0E-01	30	2	2
VOC	Carbon Tetrachloride	56-23-5	N			7.0E-02	147		7.0E-02	125	104	6.0E-03	147		4.0E-03		147		4.0E-03		125	104	4.0E-02		147		1.0E-02	300	1	110	1.0E-02	300	125	104	1.9E-01	30	129	111
VOC	Chlorobenzene	108-90-7	N												2.0E-02		147		2.0E-02		125	104	5.0E-02		147		7.0E-02	300	126		7.0E-02	300	125	104	5.0E-01	100	126	
VOC	Chloroethane	75-00-3	N				126	90		125	104		126	90	1.0E-01	3,000	126	116	1.0E-01	3,000	125	104	4.0E+00		147		1.0E-01	3,000	126		1.0E-01	3000	125	104	4.0E+00	300	126	
VOC	Chloroform	67-66-3	N			3.1E-02	147		3.1E-02	125	104	2.3E-02	147		1.0E-02		147		1.0E-02		125	104	2.0E-03		147		1.0E-01	100	129	111	1.0E-01	100	125	104	5.0E-02	100	117	
VOC	Chloromethane	74-87-3	N																				9.0E-02		147										6.2E-01	30	129	111
VOC	2-Chlorotoluene	95-49-8	N												2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	2.0E-02	1,000	126		2.0E-02	1000	125	104	8.0E-02		147	26, 62
VOC	4-Chlorotoluene	106-43-4	N												2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	2.0E-01	1,000	126		2.0E-01	1000	125	104	8.0E-02		147	26, 62
VOC	Cumene	98-82-8	N												1.0E-01		147		1.0E-01		125	104	4.0E-01		147		4.0E-01	300	2		4.0E-01	300	125	104	4.0E-01		147	62
VOC	p-Cymene	99-87-6	N														126	90			125	104			126	90			126	90			125	104			126	90
VOC	1,2-Dibromo-3-chloropropane	96-12-8	Y	1	1	7.0E+00	147	159	7.0E+00	125	104	6.0E+00	147	159	2.0E-04		147		2.0E-04		125	104	2.0E-04		147		2.0E-03	300	126		2.0E-03	300	125	104	2.0E-03	100	126	
VOC	Dibromochloromethane	124-48-1	N			8.4E-02	147		8.4E-02	125	104	2.1E-02	147	26	2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	7.0E-02	300	126		7.0E-02	300	125	104	8.0E-02		147	26, 62
VOC	1,2-Dibromoethane	106-93-4	N			2.0E+00	147		2.0E+00	125	104	6.0E-01	147		9.0E-03		147		9.0E-03		125	104	8.0E-04		147		9.0E-03		147	62	9.0E-03		125	104	8.0E-04		147	62
VOC	Dibromomethane	74-95-3	N												9.0E-03	1,000	126	116	9.0E-03	1,000	125	104	4.0E-03		147		9.0E-03	1,000	126		9.0E-03	1000	125	104	4.0E-03		147	62
VOC	1,2-Dichlorobenzene	95-50-1	N												9.0E-02		147		9.0E-02		125	104	2.0E-01		147		6.0E-01	100	129	111	6.0E-01	100	125	104	2.0E+00	100	2	3
VOC	1,3-Dichlorobenzene	541-73-1	N												2.0E-02	100	129	111, 116	2.0E-02	100	125	104					2.0E-02	100	129	111	2.0E-02	100	125	104				
VOC	1,4-Dichlorobenzene	106-46-7	N			5.4E-03	147		5.4E-03	125	104	1.1E-02	147		7.0E-02		147		7.0E-02		125	104	8.0E-01		147		7.0E-02	100	129	111	7.0E-02	100	125	104	2.5E+00	30	1	110
VOC	Dichlorodifluoromethane	75-71-8	N												2.0E-01		147		2.0E-01		125	104	1.0E-01		147		2.0E-01		147	62	2.0E-01		125	104	1.0E+00	1,000	126	
VOC	1,1-Dichloroethane	75-34-3	N			5.7E-03	147		5.7E-03	125	104	1.6E-03	147		2.0E-01		147		2.0E-01		125	104	8.0E-01		147	26	2.0E+00	300	126		2.0E+00	300	125	104	5.0E+00	100	2	3
VOC	1,2-Dichloroethane	107-06-2	N			9.1E-02	147		9.1E-02	125	104	2.6E-02	147		6.0E-03		147		6.0E-03		125	104	7.0E-03		147		2.0E-02	3,000	126		2.0E-02	3000	125	104	7.0E-02	300	126	
VOC	1,1-Dichloroethene	75-35-4	N												5.0E-02		147		5.0E-02		125	104	2.0E-01	30	1		5.0E-02		147	62	5.0E-02		125	104	2.0E-01	30	1	62
VOC	cis-1,2-Dichloroethene	156-59-2	N												2.0E-03		147		2.0E-03		125	104	4.0E-02		147		2.0E-02	300	1	110	2.0E-02	300	125	104	4.0E-02		147	62
VOC	trans-1,2-Dichloroethene	156-60-5	N												2.0E-02		147		2.0E-02		125	104	4.0E-02		147		2.0E-01	300	1	110	2.0E-01	300	125	104	4.0E-02		147	62
VOC	1,2-Dichloropropane	78-87-5	N			3.7E-02	147		3.7E-02	125	104	3.7E-03	147		4.0E-02		147		4.0E-02		125	104	4.0E-03		147		4.0E-02	30	126		4.0E-02	30	125	104	1.3E-02	100	1	110
VOC	1,3-Dichloropropane	142-28-9	N												2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	2.0E-01	300	126		2.0E-01	300	125	104	8.0E-02		147	26, 62
VOC	2,2-Dichloropropane	594-20-7	N																																			
VOC	1,1-Dichloropropene	563-58-6	N																																			
VOC	1,3-Dichloropropene (total)	542-75-6	N			1.0E-01	147		1.0E-01	125	104	4.0E-03	147		3.0E-02		147		3.0E-02		125	104	2.0E-02		147		4.0E-02	100	129	111	4.0E-02	100	125	104	3.6E-02	30	129	111
VOC	Diisopropyl ether	108-20-3	N														126	90			125	104	7.0E-01		147				126	90			125	104	7.0E-01	100	126	
VOC	1,1-Difluoroethane	75-37-6	N																				4.0E+01		147										4.0E+01		147	62
VOC	Ethyl Benzene	100-41-4	N			1.1E-02	147		1.1E-02	125	104	2.5E-03	147		5.0E-02		147		5.0E-02		125	104	1.0E+00		147		5.0E-02	1,000	126		5.0E-02	1000	125	104	9.0E+00	100	126	
VOC	Ethyl tert-butyl ether	637-92-3	N																																			
VOC	4-Ethyltoluene	622-96-8	N																																			
VOC	Freon 114	76-14-2	N																																			
VOC	2-Hexanone	591-78-6	N												5.0E-03		147		5.0E-03		125	104	3.0E-02		147		5.0E-03		147	62	5.0E-03		125	104	3.0E-01	300	1	110
VOC	Isobutane	75-28-5	N																																			
VOC	Isopropanol	67-63-0	N												2.0E+00		147		2.0E+00		125	104	2.0E-01		147		2.0E+00	30	126		2.0E+00	30	125	104	7.0E+00	100	126	
VOC	Methyl tert-butyl ether	1634-04-4	N			1.8E-03	147		1.8E-03	125	104	2.6E-04	147		4.0E-01	100	129	111, 116	4.0E-01	100	125	104	3.0E+00		147		4.0E-01	100	129	111	4.0E-01	100	125	104	3.6E+00	30	129	111
VOC	4-Methyl-2-pentanone	108-10-1	N												1	90					125	104	3.0E+00		147				1	90, 62			125	104	3.0E+00		147	62
VOC	Methylene Chloride	75-09-2	Y	1	1	2.0E-03	147	159	2.0E-03	125	104	1.0E-03	147	159	6.0E-03		147		6.0E-03		125	104	4.0E-01		147		6.0E-02	100	2	2	6.0E-02	100	125	104	1.0E+00	90	129	111
VOC	Propylbenzene	103-65-1	N												1.0E-01		147		1.0E-01		125	104	1.0E+00		147		1.0E-01		147	62	1.0E-01		125	104	1.0E+00		147	62
VOC	Styrene	100-42-5	N												2.0E-01		147		2.0E-01		125	104	9.0E-01		147		2.0E-01		147	62	2.0E-01		125	104	3.0E+00	10	2	
VOC	tert Butyl alcohol	75-65-0	N			5.0E-04	1		5.0E-04	125	104				4.0E-01	100	1		4.0E-01	100	1		5.0E+00	100	1		4.0E-01	100	1	62	4.0E-01	100	125	104	5.0E+00	100	1	62
VOC	1,1,1,2-Tetrachloroethane	630-20-6	N			2.6E-02	147		2.6E-02	125	104	7.4E-03	147		3.0E-02		147		3.0E-02		125	104	1.2E-01		147	26	9.0E-02	1,000	126		9.0E-02	1000	125	104	1.2E-01		147	26, 62
VOC	1,1,2,2-Tetrachloroethane	79-34-5	N			2.0E-01	147		2.0E-01	125	104	5.8E-02	147		2.0E-02		147		2.0E-02		125	104	8.0E-02		147	26	5.0E-02	300	1		5.0E-02	300	125	104	8.0E-02		147	26, 62
VOC	Tetrachloroethene	127-18-4	N			5.4E-01	147		5.4E-01	125	104	6.1E-03	147		6.0E-03		147		6.0E-03		125	104	4.0E-02		147		8.0E-03	300	129	111	8.0E-03	300	125	104	4.1E-02	300	129	111
VOC	Toluene	108-88-3	N												8.0E-02		147		8.0E-02		125	104	4.2E-01		147	138	8.0E-01	300	1	110	8.0E-01	300	125	104	5.0E+00	10	126	
VOC	1,2,3-Trichlorobenzene	87-61-6	N												8.0E-04		147		8.0E-04		125	104	3.2E-03		147	26	8.0E-03	1,000	126		8.0E-03	1000	125	104	3.2E-03		147	26, 62
VOC	1,2,4-Trichlorobenzene	120-82-1	N			2.9E-02	147		2.9E-02	125	104	7.3E-03	147	26	1.0E-02		147		1.0E-02		125	104	2.0E-03		147		9.0E-02	100	126		9.0E-02	100	125	104	2.0E-02	300	126	
VOC	1,1,1-Trichloroethane	71-55-6	N												2.0E+00		147		2.0E+00		125	104	1.0E+00		147		7.0E+00	300	1		7.0E+00	300	125	104	5.0E+00	100	1	
VOC	1,1,2-Trichloroethane	79-00-5	N			5.7E-02	147		5.7E-02	125	104	1.6E-02	147		4.0E-03		147		4.0E-03		125	104	2.0E-04		147		4.0E-03	1,000	126		4.0E-03	1000	125	104	1.1E-02	30	129	111
VOC	Trichloroethene	79-01-6	Y	0.202	0.2439	4.6E-02	147	159	4.6E-02	125	104	4.1E-03	147	159	5.0E-04		147		5.0E-04		125	104	2.0E-03		147		5.0E-04	10	129	111	5.0E-04	10	125	104	2.1E-03	10	129	111
VOC	Trichlorofluoromethane	75-69-4	N												3.0E-01		147		3.0E-01		125	104	1.2E+00		147	26	7.0E-01	1,000	2	93	7.0E-01	1000	125	104	1.2E+00		147	26, 62
VOC	1,2,3-Trichloropropane	96-18-4	Y	1	1	3.0E+01	147	159	3.0E+01	125	104	7.5E+00	147	26, 159	4.0E-03		147		4.0E-03		125	104	3.0E-04		147		3.0E-02	100	129	111	3.0E-02	100	125	104	3.0E-04		147	62
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N												3.0E+01		147		3.0E+01		125	104	5.0E+00		147		3.0E+01		147	62	3.0E+01		125	104	5.0E+01	30	126	
VOC	1,2,4-Trimethylbenzene	95-63-6	N												1.0E-02		147		1.0E-02		125	104	6.0E-02		147		4.0E-02	100	1		4.0E-02	100	125	104	2.0E-01	100	1	
VOC	1,3,5-Trimethylbenzene	108-67-8	N												1.0E-02		147		1.0E-02		125	104	6.0E-02		147		4.0E-02	100	1		4.0E-02	100	125	104	2.0E-01	100	1	
VOC	Vinyl Acetate	108-05-4	N												1.0E+00		147		1.0E+00		125	104	2.0E-01		147		1.0E+00	100	2		1.0E+00	100	125	104	2.5E+00	30	129	111
VOC	Vinyl Chloride	75-01-4	N			7.2E-01	147		7.2E-01	125	104	7.8E-02	147		3.0E-03		147		3.0E-03		125	104	5.1E-02		147		3.0E-03		147	62	3.0E-03		125	104	5.1E-02	30	129	111
VOC	Xylenes (total)	1330-20-7	N												2.0E-01		147		2.0E-01		125	104	1.0E-01		147		2.0E-01	1,000	1	110	2.0E-01	1000	125	104	3.0E-01	100	1	110
SVOC	t-Amyl methyl ether	994-05-8	N																																			
SVOC	Hexachlorobutadiene	87-68-3	N			7.8E-02	147		7.8E-02	125	104	2.2E-02	147		1.0E-03		147		1.0E-03		125	104	4.0E-03		147	26	1.0E-03	100	126		1.0E-03	100	125	104	4.0E-03		147	26, 62
SVOC	Naphthalene	91-20-3	N			1.2E-01	147		1.2E-01	125	104	3.4E-02	147		2.0E-02		147		2.0E-02		125	104	3.0E-03		147		2.0E-01	300	1	110	2.0E-01	300	125	104	3.0E-03		147	62
PEST	Chlordane (total)	57-74-9	N			3.5E-01	147		3.5E-01	125	104	1.0E-01	147		5.0E-04		147		5.0E-04		125	104	7.0E-04		147		6.0E-04	100	129	111	6.0E-04	100	125	104	7.0E-04		147	62
PEST	4,4'-DDE	72-55-9	N			3.4E-01	147		3.4E-01	125	104	9.7E-02	147		5.0E-04		147		5.0E-04		125	104	2.0E-03		147	26	5.0E-04		147	62	5.0E-04		125	104	2.0E-03		147	26, 62
PEST	4,4'-DDT	50-29-3	N			3.4E-01	147		3.4E-01	125	104	9.7E-02	147		5.0E-04		147		5.0E-04		125	104					5.0E-04	100	129	111	5.0E-04	100	125	104				
PEST	Dieldrin	60-57-1	N			1.6E+01	147		1.6E+01	125	104	4.6E+00	147		5.0E-05		147		5.0E-05		125	104	2.0E-04		147	26	1.0E-04	100	129	111	1.0E-04	100	125	104	2.0E-04		147	26, 62
PEST	Toxaphene	8001-35-2	N			1.2E+00	147		1.2E+00	125	104	3.2E-01	147		9.0E-05		147		9.0E-05		125	104			126	90	3.0E-04	30	126	184	3.0E-04	30	125	104			126	90
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	N												1.0E-01		155		1.0E-01		125	104	2.0E-01		155		1.0E-01		155	62	1.0E-01		125	104	2.0E-01		155	62

Attachment E-1
Table 1
Toxicity Values
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	ADAF			SF_{oral} (mg/kg/d)$^{-1}$			SF_{dermal} (mg/kg/d)$^{-1}$			URF (mg/m^3)$^{-1}$			RfD_{oral} (mg/kg/d)				RfD_{dermal} (mg/kg/d)				RfC (mg/m^3)				$SRfD_{oral}$ (mg/kg/d)				$SRfD_{dermal}$ (mg/kg/d)				SRfC (mg/m^3)			
			Y/N	f_{oral}	f_{inh}	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes	Value	UF	Ref	Notes
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	N												4.0E-03		155	223	4.0E-03		125	104	5.0E-02		155		4.0E-03		155	223, 62	4.0E-03		125	104	5.0E-02		155	62
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	N												4.0E-02		155		4.0E-02		125	104	7.0E-01		155		4.0E-02		155	62	4.0E-02		125	104	7.0E-01		155	62
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	N														155	221			125	104			155				155	221, 62			125	104			155	62
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	N												2.0E+00		155		2.0E+00		125	104			155	222	2.0E+00		155	62	2.0E+00		125	104			155	222, 62
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	N												3.0E-02		155		3.0E-02		125	104			155	222	3.0E-02		155	62	3.0E-02		125	104			155	222, 62
PCB	Aroclor-1254	11097-69-1	N			2.0E+00	147	138	2.0E+00	125	104	5.7E-01	147	138	2.0E-05		147		2.0E-05		125	104	8.0E-05		147	26	5.0E-05	100	1	110	5.0E-05	100	125	104	8.0E-05		147	26, 62
PCB	Aroclor-1260	11096-82-5	N			2.0E+00	147	138	2.0E+00	125	104	5.7E-01	147	138	2.0E-05		147	17	2.0E-05		125	104	8.0E-05		147	26, 17	5.0E-05	100	1	110, 17	5.0E-05	100	125	104	8.0E-05		147	26, 62, 17
PCB	Aroclor-1268	11100-14-4	N			2.0E+00	1	30,32	2.0E+00	125	104	5.7E-01	1	30, 32, 45	2.0E-05		147	17	2.0E-05		125	104	8.0E-05		147	26, 17	5.0E-05	100	1	110, 17	5.0E-05	100	125	104	8.0E-05		147	26, 62, 17
INORG	Arsenic	7440-38-2	N			3.2E+01	147		3.2E+01	125	104	4.3E+00	147		3.5E-06		147		3.5E-06		125	104	1.5E-05		147		5.0E-03	10	100		5.0E-03	10	125	104	1.5E-05		147	62
INORG	Barium	7440-39-3	N												2.0E-01		147		1.4E-02		125	104	5.0E-04		147		2.0E-01	300	129	111, 163	1.4E-02	300	125	104	5.0E-04		147	62
INORG	Beryllium	7440-41-7	N									2.4E+00	147		2.0E-04		147		1.4E-06		125	104	7.0E-06		147		2.0E-04		147	62	1.4E-06		125	104	7.0E-06		147	62
INORG	Cadmium	7440-43-9	N									4.2E+00	147		1.0E-04		147		2.5E-06		125	104	1.0E-05		147		5.0E-04	100	129	111	1.3E-05	100	125	104	9.0E-04		122	102
INORG	Chromium (total)	7440-47-3	N												1.5E+00		147		2.0E-02		125	104	5.0E-03	90	129	111, 166, 116	1.5E+00		147	62	2.0E-02		125	104	5.0E-03	90	129	111, 166
INORG	Cobalt	7440-48-4	N									9.0E+00	147		3.0E-04		147		3.0E-04		125	104	6.0E-06		147		3.0E-03	300	126		3.0E-03	300	125	104	2.0E-05	100	126	
INORG	Copper	7440-50-8	N												4.0E-02		147		4.0E-02		125	104					4.0E-02		147	62	4.0E-02		125	104				
INORG	Lead	7439-92-1	N																																			
INORG	Molybdenum	7439-98-7	N												5.0E-03		147		5.0E-03		125	104	2.0E-03		147		6.0E-02	300	129	111	6.0E-02	300	125	104	2.0E-03		147	62
INORG	Nickel	7440-02-0	N									2.6E-01	147		1.1E-02		147		4.4E-04		125	104	1.4E-05		147		2.0E-02	300	2	2	8.0E-04	300	125	104	1.4E-05		147	62
INORG	Thallium	7440-28-0	N												1.0E-05		147		1.0E-05		125	104			126	90	1.0E-05		147	62	1.0E-05		125	104			126	90
INORG	Vanadium	7440-62-2	N												5.0E-03		147		1.3E-04		125	104	1.0E-04		147		1.0E-02	10	129	111	2.6E-04	10	125	104	1.0E-04		147	62
INORG	Zinc	7440-66-6	N												3.0E-01		147		3.0E-01		125	104					3.0E-01	3	129	111	3.0E-01	3	125	104				
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	N			1.3E+05	147		1.3E+05	125	104	3.8E+04	147		7.0E-10		147		7.0E-10		125	104	4.0E-08		147		7.0E-10		147	62	7.0E-10		125	104	4.0E-08		147	62

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Notes:

2 USEPA adopted chronic value as subchronic value.
3 HEAST Alternate Method.
17 Used Aroclor 1254 [CASRN 11097-69-1] value from the indicated reference as a surrogate.
26 Value obtained by route-to-route extrapolation per the indicated reference.
30 Upper-bound slope factor.
32 High risk & persistence tier for: food chain exposure; sediment/soil ingestion; dust/aerosol inhalation; dermal exposure, if an absorption factor is applied; presence of dioxin-like, tumor-promoting/persistent congeners; and all early life exposures.
45 Terraphase derived inhalation URF from Inhalation Slope Factor value presented in the indicated reference, using standard USEPA methodology presented in HEAST.
62 Terraphase used chronic value as a surrogate for the subchronic value.
90 Inadequate data exist to derive a toxicity value, according to the indicated reference.
93 Personal communication with NCEA indicated the HEAST LOAEL of 1000 mg and the subchronic RfD of 7E-1mg/kg-day both appear to be incorrect and recommended using the IRIS RfD of 3E-1 as the subchronic RfD.
102 USEPA applied a dose equivalency factor of 4.5 to the chronic RfC to derive the subchronic RfC.
104 Dermal toxicity value is extrapolated from oral toxicity value in accordance with the referenced USEPA guidance.
110 The value is based on discussion in the indicated reference regarding the principal study USEPA used in extrapolating from subchronic to chronic.
111 Value as published is an MRL in the indicated reference.
116 Terraphase used subchronic value as a surrogate for the chronic value.
138 See cited source for additional details.
159 Because the chemical has a mutagenic mode of action according to USEPA, the SF and URF are adjusted by the following age-dependent adjustment factors (ADAFs) before use: 10 for ages 0 to 2; 3 for ages 2 to 16; and 1 for ages 16 and older (USEPA 2005).
163 This MRL is for soluble salts.
166 This MRL is for insoluble particulates.
184 Toxicity value derived for technical toxaphene.
221 The indicated source recommends evaluating each COPC (e.g., BTEX).
222 Not developed due to low volatility of the COPCs in this hydrocarbon range. HERO does not recommend performing a quantitative evaluation of inhalation exposure for C17+ because of the significant uncertainty due to a lack of toxicity studies.
223 0.03 mg/kg-day may be used instead of 0.004 mg/kg-day if naphthalenes and methylnaphthalenes have been analyzed and evaluated individually.

Attachment E-1
Table 2
Physical and Chemical Properties
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	**MW** (g/mole)			K_{ow} (unitless)			K_{oc} (L/kg)			K_d (L/kg)			**H** (unitless)				**s** (mg/L)			**VP** (mm Hg)				D_{air} (m^2/d)			D_{water} (m^2/d)			K_p (cm/hr)			ABS_d (unitless)			**FA** (unitless)		
			Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Adjust	Ref	Notes	Value	Ref	Notes	Value	Adjust	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes
VOC	Acetone	67-64-1	5.8E+01	50.3		5.8E-01	44		5.8E-01	44	82				1.6E-03	1.5E-03	44		1.0E+06	44		2.3E+02	2.8E+02	50.3		1.1E+00	44		9.8E-05	44		5.2E-04	44	115		62		1.0E+00	62	114
VOC	Benzene	71-43-2	7.8E+01	50.3		1.3E+02	44		5.8E+01	44	111				2.3E-01	2.2E-01	44		1.8E+03	44		9.5E+01	1.2E+02	50.3		7.6E-01	44		8.5E-05	44		1.5E-02	44	115		62		1.0E+00	62	
VOC	Benzyl chloride	100-44-7	1.3E+02	50.1		2.0E+02	62		7.9E+01	62	111				1.7E-02	2.1E-02	50.1	92, 123	5.3E+02	50.1	92	1.3E+00	1.2E+00	50.1	92	6.5E-01	40		6.7E-05	40		1.0E-02	62	115		62		1.0E+00	62	
VOC	Bromobenzene	108-86-1	1.6E+02	39		9.8E+02	39		2.8E+02	39	111				8.7E-02	1.0E-01	69		4.5E+02	39		4.2E+00	5.1E+00	68		4.6E-01	69		8.0E-05	69		2.0E-02	39	115		62		1.0E+00	62	117
VOC	Bromochloromethane	74-97-5	1.3E+02	46		2.6E+01	1	49	1.6E+01	1	49, 111				5.9E-02	7.0E-02	1	63	1.7E+04	1		1.2E+02	1.4E+02	1		5.9E-01	69		8.6E-05	69		2.5E-03	1	49, 115		62		1.0E+00	62	114
VOC	Bromodichloromethane	75-27-4	1.6E+02	50.3		1.3E+02	44		5.5E+01	44	111				6.6E-02	6.3E-02	44		6.7E+03	44		5.0E+01	6.1E+01	50.3		2.6E-01	44		9.2E-05	44		4.7E-03	44	115		62		1.0E+00	62	
VOC	Bromoform	75-25-2	2.5E+02	50.1		2.2E+02	44		8.7E+01	44	111				2.2E-02	2.1E-02	44		3.1E+03	44		5.5E+00	5.2E+00	50.1	92	1.3E-01	44		8.9E-05	44		2.2E-03	44	115		62		1.0E+00	62	
VOC	Bromomethane	74-83-9	9.5E+01	50.1		1.5E+01	44		1.0E+01	44	111				2.6E-01	2.5E-01	44		1.5E+04	44		1.6E+03	1.6E+03	50.1	92	6.3E-01	44		1.0E-04	44		2.8E-03	44	115		62		1.0E+00	62	
VOC	2-Butanone	78-93-3	7.2E+01	50.3		1.9E+00	69		2.0E+00	69	111				2.3E-03	2.8E-03	50.3	123	2.2E+05	50.3		9.1E+01	1.1E+02	50.3		7.0E-01	69		8.5E-05	69		9.6E-04	69	115		62		1.0E+00	62	
VOC	Butylbenzene	104-51-8	1.3E+02	39		1.6E+04	1		2.5E+03	1	111				5.1E-01	4.8E-01	1		1.4E+01	1	55	1.0E+00	1.1E+00	1		4.9E-01	69		7.0E-05	69		1.7E-01	1	115		62		1.0E+00	62	
VOC	sec-Butylbenzene	135-98-8	1.3E+02	55		1.7E+04	1		2.7E+03	1	111				4.7E-01	2.6E-01	1		3.2E+02	1	55	1.1E+00	1.3E+01	1		4.9E-01	69		7.0E-05	69		1.8E-01	1	115		62		1.0E+00	62	
VOC	tert-Butylbenzene	98-06-6	1.3E+02	39		1.3E+04	1		2.2E+03	1	111				4.8E-01	4.5E-01	1		2.9E+02	1	55	1.5E+00	1.9E+00	1		4.9E-01	69		6.9E-05	69		1.4E-01	1	115		62		1.0E+00	62	
VOC	Carbon Disulfide	75-15-0	7.6E+01	50.3		1.0E+02	44		4.6E+01	44	111				1.2E+00	1.2E+00	44		1.2E+03	44		3.6E+02	4.4E+02	50.3		9.0E-01	44		8.6E-05	44		1.2E-02	44	115		62		1.0E+00	62	
VOC	Carbon Tetrachloride	56-23-5	1.5E+02	50.3		5.4E+02	44		1.7E+02	44	111				1.3E+00	1.2E+00	44		7.9E+02	44		1.2E+02	1.4E+02	50.3		6.7E-01	44		7.6E-05	44		1.4E-02	44	115		62		1.0E+00	62	
VOC	Chlorobenzene	108-90-7	1.1E+02	50.3		7.2E+02	44		2.2E+02	44	111				1.5E-01	1.4E-01	44		4.7E+02	44		1.2E+01	1.5E+01	50.3		6.3E-01	44		7.5E-05	44		2.9E-02	44	115		62		1.0E+00	62	
VOC	Chloroethane	75-00-3	6.5E+01	50.3		2.7E+01	69		1.6E+01	69	111				4.5E-01	5.1E-01	50.3	123	6.7E+03	50.3		1.0E+03	1.2E+03	50.3		2.3E+00	69		9.9E-05	69		6.1E-03	69	115		62		1.0E+00	62	
VOC	Chloroform	67-66-3	1.2E+02	50.3		8.3E+01	44		4.0E+01	44	111				1.5E-01	1.4E-01	44		7.9E+03	44		2.0E+02	2.4E+02	50.3		9.0E-01	44		8.6E-05	44		6.3E-03	44	115		62		1.0E+00	62	
VOC	Chloromethane	74-87-3	5.0E+01	50.1		8.3E+01	69		4.0E+01	69	111				3.6E-01	4.0E-01	50.1	92, 123	5.3E+03	50.1	92	4.3E+03	4.2E+03	50.1	92	1.1E+00	69		5.6E-05	69		1.5E-02	69	115		62		1.0E+00	62	
VOC	2-Chlorotoluene	95-49-8	1.3E+02	39		2.6E+03	69		6.1E+02	69	111				1.5E-01	1.7E-01	69		3.7E+02	39		3.4E+00	4.2E+00	39		5.4E-01	69		7.5E-05	69		5.6E-02	69	115		62		1.0E+00	62	
VOC	4-Chlorotoluene	106-43-4	1.3E+02	39		3.4E+03	69		7.6E+02	69	111				1.9E-01	2.3E-01	69		1.1E+02	68		2.7E+00	3.3E+00	39		5.4E-01	69		7.5E-05	69		6.7E-02	69	115		62		1.0E+00	62	117
VOC	Cumene	98-82-8	1.2E+02	50.3		3.1E+03	69		7.1E+02	69	111				5.3E-01	5.0E-01	69		6.1E+01	50.3		4.5E+00	5.5E+00	50.3		5.6E-01	69		6.1E-05	69		6.8E-02	69	115		62		1.0E+00	62	114
VOC	p-Cymene	99-87-6	1.3E+02	39		1.3E+04	1		2.1E+03	1	111				3.1E-01	3.8E-01	69		3.4E+02	1	55	1.0E+00	1.2E+00	1		4.8E-01	69		6.3E-05	69		1.4E-01	1	115		62		1.0E+00	62	
VOC	1,2-Dibromo-3-chloropropane	96-12-8	2.4E+02	50.3		4.3E+02	1		1.4E+02	1	111				6.0E-03	7.2E-03	50.3	123	1.2E+03	50.3		5.8E-01	7.0E-01	50.3		6.9E-01	40		6.9E-05	40		4.1E-03	1	115		62		1.0E+00	62	114
VOC	Dibromochloromethane	124-48-1	2.1E+02	50.1		1.5E+02	44		6.3E+01	44	111				3.2E-02	3.1E-02	44		2.6E+03	44		4.9E+00	4.7E+00	50.1	92	1.7E-01	44		9.1E-05	44		2.9E-03	44	115		62		1.0E+00	62	
VOC	1,2-Dibromoethane	106-93-4	1.9E+02	50.3		4.0E+01	1		2.2E+01	1	111				2.7E-02	3.3E-02	50.3	123	3.9E+03	50.3		1.1E+01	1.4E+01	50.3		3.7E-01	69		7.3E-05	69		1.6E-03	1	115		62		1.0E+00	62	
VOC	Dibromomethane	74-95-3	1.7E+02	50.1		3.4E+01	39		1.9E+01	39	111				3.5E-02	4.2E-02	50.1	92, 123	1.2E+04	50.1	92	4.4E+01	4.2E+01	50.1	92	6.9E-01	40		6.9E-05	40		1.7E-03	39	115		62		1.0E+00	62	114
VOC	1,2-Dichlorobenzene	95-50-1	1.5E+02	50.1		2.7E+03	44		6.2E+02	44	111				7.8E-02	7.3E-02	44		1.6E+02	44		1.4E+00	1.3E+00	50.1	92	6.0E-01	44		6.8E-05	44		4.4E-02	44	115		62		1.0E+00	62	
VOC	1,3-Dichlorobenzene	541-73-1	1.5E+02	50.1		2.4E+03	69		5.7E+02	69	111				1.3E-01	1.6E-01	50.1	92, 123	1.3E+02	50.1	93	2.2E+00	2.0E+00	50.1	92	6.0E-01	69		6.8E-05	69		4.1E-02	69	115		62		1.0E+00	62	
VOC	1,4-Dichlorobenzene	106-46-7	1.5E+02	50.3		2.6E+03	44		6.1E+02	44	111				1.0E-01	9.4E-02	44		7.4E+01	44		1.7E+00	2.1E+00	50.3		6.0E-01	44		6.8E-05	44		4.3E-02	44	115		62		1.0E+00	62	
VOC	Dichlorodifluoromethane	75-71-8	1.2E+02	50.1		1.4E+02	1		6.2E+01	1	111				1.4E+01	1.7E+01	50.1	92, 123	2.8E+02	50.1	92	4.8E+03	4.6E+03	50.1	92	6.9E-01	40		6.9E-05	40		8.9E-03	1	115		62		1.0E+00	62	
VOC	1,1-Dichloroethane	75-34-3	9.9E+01	50.3		6.2E+01	44		3.1E+01	44	111				2.3E-01	2.2E-01	44		5.1E+03	44		2.3E+02	2.8E+02	50.3		6.4E-01	44		9.1E-05	44		6.7E-03	44	115		62		1.0E+00	62	
VOC	1,2-Dichloroethane	107-06-2	9.9E+01	50.3		3.0E+01	44		1.7E+01	44	111				4.0E-02	3.8E-02	44		8.5E+03	44		7.9E+01	9.6E+01	50.3		9.0E-01	44		8.6E-05	44		4.1E-03	44	115		62		1.0E+00	62	
VOC	1,1-Dichloroethene	75-35-4	9.7E+01	50.3		1.3E+02	44		5.8E+01	44	111				1.1E+00	1.0E+00	44		2.3E+03	44		6.0E+02	7.3E+02	50.3		7.8E-01	44		9.0E-05	44		1.2E-02	44	115		62		1.0E+00	62	
VOC	cis-1,2-Dichloroethene	156-59-2	9.7E+01	50.3		7.2E+01	44		3.6E+01	44	111				1.7E-01	1.6E-01	44		3.5E+03	44		2.0E+02	2.4E+02	50.3		6.4E-01	44		9.8E-05	44		7.7E-03	44	115		62		1.0E+00	62	114
VOC	trans-1,2-Dichloroethene	156-60-5	9.7E+01	50.3		1.2E+02	44		5.2E+01	44	111				3.9E-01	3.7E-01	44		6.3E+03	44		3.3E+02	4.0E+02	50.3		6.1E-01	44		1.0E-04	44		1.1E-02	44	115		62		1.0E+00	62	114
VOC	1,2-Dichloropropane	78-87-5	1.1E+02	50.3		9.3E+01	44		4.3E+01	44	111				1.2E-01	1.1E-01	44		2.8E+03	44		5.3E+01	6.5E+01	50.3		6.8E-01	44		7.5E-05	44		7.4E-03	44	115		62		1.0E+00	62	
VOC	1,3-Dichloropropane	142-28-9	1.1E+02	68		1.0E+02	68		4.6E+01	68	111				4.1E-05	4.9E-05	1		2.8E+03	68		1.8E+01	2.2E+01	68		6.4E-01	69		8.5E-05	69		7.7E-03	68	115		62		1.0E+00	62	114
VOC	2,2-Dichloropropane	594-20-7	1.1E+02	39		8.0E+01	69		3.9E+01	69	111				1.9E-01	2.2E-01	69		1.5E+03	69		4.7E+01	5.7E+01	69		6.2E-01	69		8.2E-05	69		6.7E-03	69	115		62		1.0E+00	62	114
VOC	1,1-Dichloropropene	563-58-6	1.1E+02	68		3.4E+02	68		1.2E+02	68	111				2.0E+00	2.4E+00	68		7.5E+02	68		9.1E+01	1.1E+02	68								1.8E-02	68	115		62		1.0E+00	62	114
VOC	1,3-Dichloropropene (total)	542-75-6	1.1E+02	50.3		1.0E+02	44		4.6E+01	44	111				7.3E-01	6.9E-01	44		2.8E+03	44		3.4E+01	4.1E+01	50.3		5.4E-01	44		8.6E-05	44		7.9E-03	44	115		62		1.0E+00	62	
VOC	Diisopropyl ether	108-20-3	1.0E+02	68		8.3E+03	69		1.5E+03	69	111				8.3E-02	1.0E-01	69		8.8E+03	68		1.5E+02	1.8E+02	68		7.6E-01	69		6.7E-05	69		1.6E-01	69	115						
VOC	1,1-Difluoroethane	75-37-6																																						
VOC	Ethyl Benzene	100-41-4	1.1E+02	50.3		1.4E+03	44		3.7E+02	44	111				3.2E-01	3.1E-01	44		1.7E+02	44		9.6E+00	1.2E+01	50.3		6.5E-01	44		6.7E-05	44		4.8E-02	44	115		62		1.0E+00	62	
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+02	55																																62				
VOC	4-Ethyltoluene	622-96-8	1.2E+02	68		5.9E+03	69		1.2E+03	69	111				2.0E-01	2.4E-01	69		8.0E+01	68		2.9E+00	3.5E+00	68		5.6E-01	69		6.8E-05	69		1.0E-01	69	115		62		1.0E+00	62	114
VOC	Freon 114	76-14-2	1.7E+02	39											1.1E+02	1.4E+02	39	123	1.3E+02	39		2.0E+03	2.4E+03	39																
VOC	2-Hexanone	591-78-6	1.0E+02	50.1		2.4E+01	39		1.5E+01	39	111				3.8E-03	4.5E-03	68		1.8E+04	39		1.2E+01	1.4E+01	50.1	92	7.4E-01	52		7.6E-05	52		3.5E-03	39	115		62		1.0E+00	62	114
VOC	Isobutane	75-28-5	5.8E+01	55																																		1.0E+00	62	114
VOC	Isopropanol	67-63-0	6.0E+01	69		1.1E+00	69		1.3E+00	69	111				3.1E-04	3.8E-04	69		1.0E+06	68		4.5E+01	5.5E+01	68		8.5E-01	69		6.6E-05	69		7.9E-04	69	115		62		1.0E+00	62	114
VOC	Methyl tert-butyl ether	1634-04-4	8.8E+01	1		1.7E+01	39		1.1E+01	39	111				2.4E-02	2.3E-02	69		5.1E+04	69		2.5E+02	2.4E+02	69		7.4E-01	69		8.7E-05	69		3.3E-03	39	115		62		1.0E+00	62	114
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+02	50.3		1.5E+01	62		1.0E+01	62	111				5.6E-03	7.0E-03	50.3	123	1.9E+04	39		2.0E+01	2.4E+01	50.3		6.5E-01	40		6.7E-05	40		2.7E-03	62	115		62		1.0E+00	62	
VOC	Methylene Chloride	75-09-2	8.5E+01	50.3		1.8E+01	44		1.2E+01	44	111				9.0E-02	8.7E-02	44		1.3E+04	44		4.4E+02	5.3E+02	50.3		8.7E-01	44		1.0E-04	44		3.5E-03	44	115		62		1.0E+00	62	
VOC	Propylbenzene	103-65-1	1.2E+02	46		4.8E+03	1		9.8E+02	1	111				4.2E-01	3.9E-01	1		6.0E+01	1		2.5E+00	3.2E+00	1		5.2E-01	69		6.8E-05	69		9.0E-02	1	115		62		1.0E+00	62	117
VOC	Styrene	100-42-5	1.0E+02	50.3		8.7E+02	44		7.8E+02	44	82				1.1E-01	1.1E-01	44		3.1E+02	44		6.4E+00	7.8E+00	50.3		6.1E-01	44		6.9E-05	44		3.6E-02	44	115		62		1.0E+00	62	
VOC	tert Butyl alcohol	75-65-0	7.4E+01	69		2.2E+00	39		2.3E+00	39	111				5.8E-04	7.0E-04	69		1.0E+06	68		4.2E+01	5.1E+01	39		8.5E-01	69		9.8E-05	69		1.0E-03	39	115		62		1.0E+00	62	114
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.7E+02	50.1		1.1E+03	1		3.1E+02	1	111				9.9E-02	1.3E-01	50.1	92, 123	1.1E+03	50.1	92	1.2E+01	1.1E+01	50.1	92	6.1E-01	40		6.8E-05	40		1.8E-02	1	115		62		1.0E+00	62	114
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.7E+02	50.3		2.5E+02	44		9.4E+01	44	111				1.4E-02	1.3E-02	44		3.0E+03	44		4.6E+00	5.6E+00	50.3		6.1E-01	44		6.8E-05	44		6.9E-03	44	115		62		1.0E+00	62	
VOC	Tetrachloroethene	127-18-4	1.7E+02	50.3		4.7E+02	44		1.6E+02	44	111				7.5E-01	7.2E-01	44		2.0E+02	44		1.9E+01	2.2E+01	50.3		6.2E-01	44		7.1E-05	44		1.1E-02	44	115		62		1.0E+00	62	
VOC	Toluene	108-88-3	9.2E+01	50.3		5.6E+02	44		1.8E+02	44	111				2.7E-01	2.6E-01	44		5.3E+02	44		2.8E+01	3.4E+01	50.3		7.5E-01	44		7.4E-05	44		3.2E-02	44	115		62		1.0E+00	62	
VOC	1,2,3-Trichlorobenzene	87-61-6	1.8E+02	55		2.8E+04	69		4.0E+03	69	111				5.1E-02	6.1E-02	29		4.1E+01	69		2.2E-01	2.6E-01	69		3.3E-01	69		7.1E-05	69		1.3E-01	69	115		62		1.0E+00	62	114
VOC	1,2,4-Trichlorobenzene	120-82-1	1.8E+02	50.3		1.0E+04	44		1.8E+03	44	111				5.8E-02	5.4E-02	44		3.0E+02	44		4.6E-01	5.6E-01	50.3		2.6E-01	44		7.1E-05	44		6.8E-02	44	115		62		1.0E+00	62	
VOC	1,1,1-Trichloroethane	71-55-6	1.3E+02	50.3		3.0E+02	44		1.1E+02	44	111				7.1E-01	6.8E-01	44		1.3E+03	44		1.2E+02	1.5E+02	50.3		6.7E-01	44		7.6E-05	44		1.2E-02	44	115		62		1.0E+00	62	
VOC	1,1,2-Trichloroethane	79-00-5	1.3E+02	50.3		1.1E+02	44		5.0E+01	44	111				3.7E-02	3.6E-02	44		4.4E+03	44		2.3E+01	2.8E+01	50.3		6.7E-01	44		7.6E-05	44		6.4E-03	44	115		62		1.0E+00	62	
VOC	Trichloroethene	79-01-6	1.3E+02	50.3		5.1E+02	44		1.7E+02	44	111				4.2E-01	4.0E-01	44		1.1E+03	44		6.9E+01	8.4E+01	50.3		6.8E-01	44		7.9E-05	44		1.8E-02	44	115		62		1.0E+00	62	
VOC	Trichlorofluoromethane	75-69-4	1.4E+02	50.3		3.4E+02	69		1.2E+02	69	111				4.0E+00	4.5E+00	50.3	123	1.1E+03	50.3		8.0E+02	9.7E+02	50.3		7.5E-01	69		8.4E-05	69		1.3E-02	69	115		62		1.0E+00	62	
VOC	1,2,3-Trichloropropane	96-18-4	1.5E+02	50.3		9.5E+01	39		4.4E+01	39	111				1.4E-02	1.8E-02	50.3	123	1.8E+03	50.3		3.7E+00	4.5E+00	50.3		6.1E-01	40		6.8E-05	40		4.8E-03	39	115		62		1.0E+00	62	114
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.9E+02	50.1		1.4E+03	38		3.8E+02	38	111				2.0E+01	2.3E+01	50.1	92, 123	1.7E+02	50.1	92	3.3E+02	3.2E+02	50.1	92	6.7E-01	40		7.1E-05	40		1.7E-02	38	115		62		1.0E+00	62	114
VOC	1,2,4-Trimethylbenzene	95-63-6	1.2E+02	46		4.3E+03	69		9.0E+02	69	111				2.5E-01	2.4E-01	69		5.7E+01	68		2.1E+00	2.0E+00	68		5.2E-01	69		6.8E-05	69		8.4E-02	69	115		62		1.0E+00	62	
VOC	1,3,5-Trimethylbenzene	108-67-8	1.2E+02	39		1.0E+04	69		1.8E+03	69	111				2.4E-01	2.3E-01	69		4.8E+01	68		2.5E+00	2.3E+00	68		5.2E-01	69		7.5E-05	69		1.5E-01	69	115		62		1.0E+00	62	
VOC	Vinyl Acetate	108-05-4	8.6E+01	50.3		5.4E+00	44		5.2E+00	44	82				2.1E-02	2.0E-02	44		2.0E+04	44		9.0E+01	1.1E+02	50.3		7.3E-01	44		7.9E-05	44		1.6E-03	44	115		62		1.0E+00	62	114
VOC	Vinyl Chloride	75-01-4	6.3E+01	50.3		3.2E+01	44		1.8E+01	44	111				1.1E+00	1.1E+00	44		2.8E+03	44		3.0E+03	3.6E+03	50.3		9.2E-01	44		1.1E-04	71		6.9E-03	44	115		62		1.0E+00	62	
VOC	Xylenes (total)	1330-20-7	1.1E+02	50.3		1.5E+03	44		3.9E+02	44	111				2.8E-01	3.3E-01	44		1.7E+02	44		7.9E+00	9.6E+00	50.3		6.7E-01	44		7.6E-05	44		5.0E-02	44	115		62		1.0E+00	62	114
SVOC	t-Amyl methyl ether	994-05-8	1.0E+02	55																																62				
SVOC	Hexachlorobutadiene	87-68-3	2.6E+02	50.3		6.5E+04	44		5.4E+04	44	82				3.3E-01	3.1E-01	44		3.2E+00	44		2.2E-01	3.3E-01	50.3		4.8E-01	44		5.3E-05	44		8.2E-02	44	115	1.0E-01	62		9.0E-01	62	
SVOC	Naphthalene	91-20-3	1.3E+02	50.3		2.3E+03	44		2.0E+03	44	82				2.0E-02	1.8E-02	44		3.1E+01	44		8.5E-02	1.3E-01	50.3		5.1E-01	44		6.5E-05	44		5.0E-02	44	115	1.3E-01	62		1.0E+00	62	
PEST	Chlordane (total)	57-74-9	4.1E+02	50.1		2.1E+06	44		1.2E+05	44	111				2.0E-03	1.8E-03	44		5.6E-02	44		9.8E-06	8.8E-06	50.1	92	1.0E-01	44		3.8E-05	44		1.2E-01	44	115	4.0E-02	62		6.0E-01	62	117
PEST	4,4'-DDE	72-55-9	3.2E+02	50.3		5.8E+06	44		4.4E+06	44	82				8.6E-04	7.6E-04	44		1.2E-01	44		6.0E-06	1.0E-05	50.3		1.2E-01	44		5.1E-05	44		7.6E-01	44	115	3.0E-02	62	120	6.0E-01	62	117
PEST	4,4'-DDT	50-29-3	3.5E+02	50.3		3.4E+06	44		2.6E+06	44	82				3.3E-04	2.8E-04	44		2.5E-02	44		1.6E-07	2.7E-07	50.3		1.2E-01	44		4.3E-05	44		3.3E-01	44	115	3.0E-02	62		6.0E-01	62	117
PEST	Dieldrin	60-57-1	3.8E+02	50.3		2.3E+05	44		2.1E+04	44	111				6.2E-04	5.4E-04	44		2.0E-01	44		5.9E-06	9.8E-06	50.3		1.1E-01	44		4.1E-05	44		4.1E-02	44	115	1.0E-01	62		8.0E-01	62	
PEST	Toxaphene	8001-35-2	4.1E+02	50.3		3.2E+05	44		2.6E+05	44	82				2.5E-04	2.2E-04	44		7.4E-01	44		6.7E-06	1.1E-05	50.3		1.0E-01	44		3.7E-05	44		3.3E-02	44	115	1.0E-01	62		7.0E-01	62	117
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	2.0E+02	189					1.5E+03	189		9.0E+00	189		7.2E+01	7.2E+01	189		5.0E+00	189						5.2E-01	189		7.3E-05	189										

Attachment E-1
Table 2
Physical and Chemical Properties
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	MW (g/mole)			K_{ow} (unitless)			K_{oc} (L/kg)			K_d (L/kg)			H (unitless)				s (mg/L)			VP (mm Hg)				D_{air} (m^2/d)			D_{water} (m^2/d)			K_p (cm/hr)			ABS_d (unitless)			FA (unitless)		
			Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Adjust	Ref	Notes	Value	Ref	Notes	Value	Adjust	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes	Value	Ref	Notes
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	2.0E+02	189					1.5E+03	189		9.0E+00	189		7.2E+01	7.2E+01	189		5.0E+00	189						5.2E-01	189		7.3E-05	189										
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.1E+02	189					1.3E+02	189		7.8E-01	189		7.3E+01	7.3E+01	189		2.4E+02	189						6.3E-01	189		7.1E-05	189										
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.1E+02	189					1.3E+02	189		7.8E-01	189		7.3E+01	7.3E+01	189		2.4E+02	189						6.3E-01	189		7.1E-05	189										
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	3.7E+02	189																																				
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	3.7E+02	189																																				
PCB	Aroclor-1254	11097-69-1	3.3E+02	64		3.2E+06	64		2.5E+06	64	82				8.2E-02	1.2E-01	64		1.2E-02	64		7.7E-05	1.2E-04	64		1.7E-01	69		4.3E-05	69		4.5E-01	64	115	1.4E-01	62		7.0E-01	62	117
PCB	Aroclor-1260	11096-82-5	3.8E+02	47		6.3E+06	64		4.8E+06	64	82				2.9E-01	4.4E-01	47	123	2.7E-03	47		4.1E-05	6.1E-05	47		2.0E-01	69		5.0E-05	69		3.7E-01	64	115	1.4E-01	62		5.0E-01	62	117
PCB	Aroclor-1268	11100-14-4					64	48																											1.4E-01	62				
INORG	Arsenic	7440-38-2	7.5E+01	50.3								2.9E+01	44	43												40	48		40	48	1.0E-03	62		3.0E-02	62				
INORG	Barium	7440-39-3	1.4E+02	50.3								4.1E+01	44	43												40	48		40	48	1.0E-03	62			62				
INORG	Beryllium	7440-41-7	9.0E+00	50.3								7.9E+02	44	43						1	61					40	48		40	48	1.0E-03	62			62				
INORG	Cadmium	7440-43-9	1.1E+02	50.3								7.5E+01	44	43						1	61					40	48		40	48	1.0E-03	62		1.0E-03	62				
INORG	Chromium (total)	7440-47-3	5.2E+01	50.3								1.9E+01	44	43, 45						1	61					40	48		40	48	2.0E-03	62	45		62				
INORG	Cobalt	7440-48-4	5.9E+01	50.3								4.5E+01	35							1	61										4.0E-04	62			62				
INORG	Copper	7440-50-8	6.4E+01	50.3								3.5E+01	35							1	61					40	48		40	48	1.0E-03	62			62				
INORG	Lead	7439-92-1	2.1E+02	50.3								9.0E+02	35							1	61					40	48		40	48	1.0E-04	62			62				
INORG	Molybdenum	7439-98-7	9.6E+01	50.1								2.0E+01	35													40	48		40	48	1.0E-03	62			62				
INORG	Nickel	7440-02-0	5.9E+01	50.3								6.5E+01	44	43						1	61					40	48		40	48	2.0E-04	62			62				
INORG	Thallium	7440-28-0	2.0E+02	50.3								7.1E+01	44	43						1	61					40	48		40	48	1.0E-03	62			62				
INORG	Vanadium	7440-62-2	5.1E+01	50.3								1.0E+03	44							1	61					40	48		40	48	1.0E-03	62			62				
INORG	Zinc	7440-66-6	6.5E+01	50.3								6.2E+01	44	43						1	61					40	48		40	48	6.0E-04	62			62				
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	3.2E+02	50.3		4.4E+06	1		3.4E+06	1	82				2.0E-03	3.1E-03	50.3	123	2.0E-04	50.3		1.5E-09	2.3E-09	50.3		4.1E-01	40		6.9E-05	40		6.0E-01	1	115	3.0E-02	62	109	6.0E-01	62	117

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Notes:

43 The value is associated with pH 6.8.
45 Used the value for Chromium VI [CASRN 18540-29-9] presented in indicated reference as a surrogate.
48 Not Available or Not Applicable
49 At 25 degrees Celsius
55 Reference temperature is unspecified.
61 Insoluble
63 min temperature: max is 25C
82 Used Equation (70) from Reference 44 to calculate Koc value using Log Kow value from indicated reference.
92 Indicated source cites CHEMFATE.
93 Indicated source cites FATE.
109 RAGS E indicates that a value of 0.001 is appropriate if the soil organic content is >10% (pp. 3-20, EPA 2001).
111 Used Equation (71) from Reference 44 to calculate Koc value using Log Kow value from indicated reference.
114 A value of 1 is conservatively used because EPA guidance does not provide a default value.
115 Calculated Kp value using equation 3.8 (p.3-7) in reference 62 with log Kow from the indicated reference and the MW presented in table.
117 Derived the FA based on Exhibit A-4 in the indicated reference.
120 Used the value for 4,4'-DDT [50-29-3] from the indicated reference as a surrogate.
123 Value has been assigned a default reference temperature.

Attachment E-1
Table 3
Risk-Based Screening Levels
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	Student Soil Screening Level Cancer (mg/kg)	Student Soil Screening Level Noncancer (mg/kg)	School Worker Soil Screening Level Cancer (mg/kg)	School Worker Soil Screening Level Noncancer (mg/kg)	Maintenance Worker Soil Screening Level Cancer (mg/kg)	Maintenance Worker Soil Screening Level Noncancer (mg/kg)	Construction Worker Soil Screening Level Cancer (mg/kg)	Construction Worker Soil Screening Level Noncancer (mg/kg)	Student Soil Gas Screening Level Cancer (mg/m^3)	Student Soil Gas Screening Level Noncancer (mg/m^3)	School Worker Soil Gas Screening Level Cancer (mg/m^3)	School Worker Soil Gas Screening Level Noncancer (mg/m^3)
VOC	Acetone	67-64-1		3.6E+05		8.5E+05		3.1E+06		1.2E+05	--	6.3E+03	--	6.0E+03
VOC	Benzene	71-43-2	1.7E+00	2.4E+02	1.0E+00	3.2E+01	7.6E+00	9.5E+01	2.2E+00	8.0E+01	1.2E-01	1.8E+01	1.9E-02	5.8E-01
VOC	Benzyl chloride	100-44-7	3.1E+00	3.5E+01	1.2E+00	2.1E+01	1.2E+01	8.4E+01	4.4E+00	1.3E+01	7.2E-02	8.1E-01	1.1E-02	1.9E-01
VOC	Bromobenzene	108-86-1		1.4E+03		1.1E+03		4.1E+03		5.0E+02	--	4.1E+01	--	1.2E+01
VOC	Bromochloromethane	74-97-5		3.9E+02		4.9E+02		1.6E+03		1.4E+02	--	2.0E+01	--	7.7E+00
VOC	Bromodichloromethane	75-27-4	3.6E+00	2.4E+02	1.4E+00	5.9E+02	1.3E+01	2.2E+03	5.1E+00	8.5E+01	9.6E-02	6.5E+00	1.5E-02	6.1E+00
VOC	Bromoform	75-25-2	3.0E+02	1.6E+03	1.1E+02	3.7E+03	1.1E+03	1.5E+04	4.1E+02	5.6E+02	3.2E+00	1.6E+01	4.9E-01	1.5E+01
VOC	Bromomethane	74-83-9		2.4E+02		5.0E+01		1.5E+02		7.4E+01	--	2.0E+01	--	9.6E-01
VOC	2-Butanone	78-93-3		7.5E+04		1.7E+05		6.5E+05		2.7E+04	--	1.0E+03	--	9.6E+02
VOC	Butylbenzene	104-51-8		1.8E+03		4.4E+03		1.7E+04		6.6E+02	--	4.1E+01	--	3.8E+01
VOC	sec-Butylbenzene	135-98-8		5.1E+03		1.2E+04		4.8E+04		1.8E+03	--	8.1E+01	--	7.7E+01
VOC	tert-Butylbenzene	98-06-6		3.5E+03		8.4E+03		3.3E+04		1.2E+03	--	8.1E+01	--	7.7E+01
VOC	Carbon Disulfide	75-15-0		1.3E+03		6.4E+03		1.7E+04		3.4E+02	--	1.4E+02	--	1.3E+02
VOC	Carbon Tetrachloride	56-23-5	6.4E+00	4.1E+02	4.4E+00	3.8E+02	3.2E+01	1.1E+03	7.6E+00	1.2E+02	5.9E-01	3.8E+01	9.0E-02	7.7E+00
VOC	Chlorobenzene	108-90-7		2.4E+03		6.9E+02		2.4E+03		8.7E+02	--	1.0E+02	--	9.6E+00
VOC	Chloroethane	75-00-3		6.6E+03		3.2E+04		8.7E+04		1.5E+03	--	8.1E+02	--	7.7E+02
VOC	Chloroform	67-66-3	2.1E+00	1.4E+02	1.3E+00	2.1E+01	9.7E+00	6.4E+01	2.8E+00	4.6E+01	1.5E-01	1.0E+01	2.3E-02	3.8E-01
VOC	Chloromethane	74-87-3		1.3E+03		8.6E+02		2.4E+03		3.6E+02	--	1.3E+02	--	1.7E+01
VOC	2-Chlorotoluene	95-49-8		5.9E+02		1.5E+03		5.6E+03		2.1E+02	--	1.6E+01	--	1.5E+01
VOC	4-Chlorotoluene	106-43-4		5.8E+02		1.4E+03		5.4E+03		2.1E+02	--	1.6E+01	--	1.5E+01
VOC	Cumene	98-82-8		1.9E+03		5.4E+03		1.9E+04		6.8E+02	--	8.1E+01	--	7.7E+01
VOC	p-Cymene	99-87-6									--	--	--	--
VOC	1,2-Dibromo-3-chloropropane	96-12-8	2.6E-02	3.5E+01	1.9E-02	8.4E+00	1.9E-01	3.3E+01	7.4E-02	1.3E+01	3.0E-04	4.1E-01	5.6E-06	3.8E-02
VOC	Dibromochloromethane	124-48-1	1.1E+01	1.1E+03	4.1E+00	2.5E+03	4.1E+01	9.8E+03	1.5E+01	3.8E+02	1.7E-01	1.6E+01	2.6E-02	1.5E+01
VOC	1,2-Dibromoethane	106-93-4	2.1E-01	5.8E+00	8.3E-02	1.4E+01	7.9E-01	5.5E+01	3.0E-01	2.1E+00	5.9E-03	1.6E-01	9.0E-04	1.5E-01
VOC	Dibromomethane	74-95-3		1.9E+01		5.4E+01		1.8E+02		6.7E+00	--	8.1E-01	--	7.7E-01
VOC	1,2-Dichlorobenzene	95-50-1		2.2E+04		5.2E+03		2.1E+04		7.7E+03	--	4.1E+02	--	3.8E+01
VOC	1,3-Dichlorobenzene	541-73-1		2.7E+04		6.1E+04		1.9E+05		7.1E+03	--	--	--	--
VOC	1,4-Dichlorobenzene	106-46-7	1.5E+01	1.9E+04	5.9E+00	1.7E+04	5.9E+01	6.7E+04	2.2E+01	6.5E+03	3.2E-01	5.1E+02	4.9E-02	1.5E+02
VOC	Dichlorodifluoromethane	75-71-8		1.8E+03		9.1E+02		2.4E+03		4.4E+02	--	2.0E+02	--	1.9E+01
VOC	1,1-Dichloroethane	75-34-3	2.9E+01	1.3E+04	1.8E+01	8.3E+03	1.4E+02	2.5E+04	3.8E+01	4.4E+03	2.2E+00	1.0E+03	3.4E-01	1.5E+02
VOC	1,2-Dichloroethane	107-06-2	2.8E+00	2.9E+02	1.4E+00	8.9E+01	1.1E+01	3.0E+02	4.0E+00	1.0E+02	1.4E-01	1.4E+01	2.1E-02	1.3E+00
VOC	1,1-Dichloroethene	75-35-4		4.0E+02		1.9E+03		5.2E+03		1.1E+02	--	4.1E+01	--	3.8E+01
VOC	cis-1,2-Dichloroethene	156-59-2		1.2E+02		4.1E+02		1.3E+03		4.1E+01	--	8.1E+00	--	7.7E+00
VOC	trans-1,2-Dichloroethene	156-60-5		1.0E+02		4.1E+02		1.2E+03		3.2E+01	--	8.1E+00	--	7.7E+00
VOC	1,2-Dichloropropane	78-87-5	1.6E+01	4.6E+01	8.5E+00	4.7E+01	6.8E+01	1.5E+02	2.3E+01	1.6E+01	9.6E-01	2.6E+00	1.5E-01	7.7E-01
VOC	1,3-Dichloropropane	142-28-9		9.8E+03		1.7E+04		6.5E+04		3.5E+03	--	1.6E+01	--	1.5E+01
VOC	2,2-Dichloropropane	594-20-7									--	--	--	--
VOC	1,1-Dichloropropene	563-58-6									--	--	--	--
VOC	1,3-Dichloropropene (total)	542-75-6	9.6E+00	8.3E+01	6.4E+00	2.0E+02	4.6E+01	5.6E+02	1.1E+01	2.5E+01	8.9E-01	7.4E+00	1.3E-01	3.8E+00
VOC	Diisopropyl ether	108-20-3		9.0E+03		2.1E+04		8.5E+04		3.2E+03	--	1.4E+02	--	1.3E+02
VOC	1,1-Difluoroethane	75-37-6		2.5E+16		2.4E+16		2.9E+10		8.8E+09	--	8.1E+03	--	7.7E+03
VOC	Ethyl Benzene	100-41-4	2.9E+01	2.4E+04	1.4E+01	1.2E+04	1.2E+02	4.0E+04	4.2E+01	7.7E+03	1.4E+00	1.8E+03	2.2E-01	1.9E+02
VOC	Ethyl tert-butyl ether	637-92-3									--	--	--	--
VOC	4-Ethyltoluene	622-96-8									--	--	--	--
VOC	Freon 114	76-14-2									--	--	--	--
VOC	2-Hexanone	591-78-6		2.5E+03		8.7E+02		3.4E+03		7.8E+02	--	6.1E+01	--	5.8E+00
VOC	Isobutane	75-28-5									--	--	--	--
VOC	Isopropanol	67-63-0		2.4E+05		1.8E+04		7.0E+04		8.3E+04	--	1.4E+03	--	3.8E+01
VOC	Methyl tert-butyl ether	1634-04-4	3.7E+02	2.0E+04	1.6E+02	4.4E+04	1.4E+03	1.6E+05	5.3E+02	7.0E+03	1.4E+01	7.3E+02	2.1E+00	5.8E+02
VOC	4-Methyl-2-pentanone	108-10-1		3.3E+04		7.8E+04		3.1E+05		1.2E+04	--	6.1E+02	--	5.8E+02
VOC	Methylene Chloride	75-09-2	2.6E+01	3.0E+03	3.1E+01	3.5E+03	2.3E+02	1.1E+04	7.1E+01	1.0E+03	1.8E+00	2.1E+02	3.3E-02	7.7E+01
VOC	Propylbenzene	103-65-1		6.1E+03		1.6E+04		5.8E+04		2.2E+03	--	2.0E+02	--	1.9E+02
VOC	Styrene	100-42-5		2.7E+04		2.1E+04		8.2E+04		9.4E+03	--	6.1E+02	--	1.7E+02
VOC	tert Butyl alcohol	75-65-0	4.7E+04	1.1E+05	1.7E+04	2.6E+05	1.4E+05	9.8E+05	5.0E+04	3.7E+04	--	1.0E+03	--	9.6E+02
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.4E+01	7.4E+02	6.0E+00	1.9E+03	5.5E+01	6.9E+03	2.1E+01	2.6E+02	4.8E-01	2.4E+01	7.3E-02	2.3E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	3.5E+00	9.5E+02	1.3E+00	2.2E+03	1.3E+01	8.8E+03	5.0E+00	3.4E+02	6.1E-02	1.6E+01	9.3E-03	1.5E+01
VOC	Tetrachloroethene	127-18-4	6.2E+00	1.0E+02	3.6E+00	4.0E+02	2.7E+01	1.2E+03	7.7E+00	3.2E+01	5.8E-01	8.2E+00	8.8E-02	7.7E+00
VOC	Toluene	108-88-3		1.6E+04		4.7E+03		1.5E+04		5.7E+03	--	1.0E+03	--	8.1E+01
VOC	1,2,3-Trichlorobenzene	87-61-6		1.3E+02		2.7E+02		1.0E+03		4.5E+01	--	6.5E-01	--	6.1E-01
VOC	1,2,4-Trichlorobenzene	120-82-1	7.1E+01	6.4E+02	2.7E+01	1.5E+02	2.6E+02	6.1E+02	9.8E+01	2.3E+02	4.9E-01	4.1E+00	7.4E-02	3.8E-01
VOC	1,1,1-Trichloroethane	71-55-6		1.2E+04		1.0E+04		2.9E+04		3.6E+03	--	1.0E+03	--	1.9E+02
VOC	1,1,2-Trichloroethane	79-00-5	6.5E+00	6.5E+01	2.7E+00	3.2E+00	2.5E+01	1.2E+01	9.3E+00	2.3E+01	2.2E-01	2.2E+00	3.4E-02	3.8E-02
VOC	Trichloroethene	79-01-6	9.8E+00	6.2E+00	7.1E+00	2.1E+01	5.4E+01	6.5E+01	1.6E+01	2.1E+00	7.0E-01	4.4E-01	2.8E-02	3.8E-01
VOC	Trichlorofluoromethane	75-69-4		2.2E+03		1.1E+04		3.0E+04		5.6E+02	--	2.4E+02	--	2.3E+02
VOC	1,2,3-Trichloropropane	96-18-4	9.8E-03	2.6E+00	7.6E-03	6.3E+00	7.4E-02	2.5E+01	2.8E-02	9.3E-01	2.4E-04	6.1E-02	4.4E-06	5.8E-02
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		9.2E+04		4.6E+04		1.2E+05		2.3E+04	--	1.0E+04	--	9.6E+02
VOC	1,2,4-Trimethylbenzene	95-63-6		1.5E+03		1.1E+03		4.3E+03		5.5E+02	--	4.1E+01	--	1.2E+01
VOC	1,3,5-Trimethylbenzene	108-67-8		2.1E+03		1.5E+03		5.9E+03		7.6E+02	--	4.1E+01	--	1.2E+01
VOC	Vinyl Acetate	108-05-4		1.4E+04		3.1E+03		1.1E+04		5.1E+03	--	5.0E+02	--	3.8E+01
VOC	Vinyl Chloride	75-01-4	4.2E-01	9.4E+01	3.2E-01	4.5E+02	2.2E+00	1.2E+03	4.2E-01	2.4E+01	4.5E-02	1.0E+01	6.9E-03	9.8E+00
VOC	Xylenes (total)	1330-20-7		1.2E+03		1.3E+03		4.2E+03		4.4E+02	--	6.1E+01	--	1.9E+01
SVOC	t-Amyl methyl ether	994-05-8									--	--	--	--
SVOC	Hexachlorobutadiene	87-68-3	3.5E+01	1.7E+02	1.3E+01	3.8E+02	1.1E+02	1.4E+03	4.7E+01	5.7E+01	1.6E-01	8.1E-01	2.4E-02	7.7E-01
SVOC	Naphthalene	91-20-3	1.8E+01	1.2E+02	6.5E+00	2.9E+02	5.9E+01	1.2E+03	2.5E+01	4.5E+01	1.0E-01	6.1E-01	1.6E-02	5.8E-01
PEST	Chlordane (total)	57-74-9	5.1E+01	4.8E+02	1.6E+01	8.8E+02	1.2E+02	2.7E+03	5.3E+01	1.3E+02	3.5E-02	1.4E-01	5.4E-03	1.3E-01

Attachment E-1
Table 3
Risk-Based Screening Levels
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	Student Soil Screening Level Cancer (mg/kg)	Student Soil Screening Level Noncancer (mg/kg)	School Worker Soil Screening Level Cancer (mg/kg)	School Worker Soil Screening Level Noncancer (mg/kg)	Maintenance Worker Soil Screening Level Cancer (mg/kg)	Maintenance Worker Soil Screening Level Noncancer (mg/kg)	Construction Worker Soil Screening Level Cancer (mg/kg)	Construction Worker Soil Screening Level Noncancer (mg/kg)	Student Soil Gas Screening Level Cancer (mg/m^3)	Student Soil Gas Screening Level Noncancer (mg/m^3)	School Worker Soil Gas Screening Level Cancer (mg/m^3)	School Worker Soil Gas Screening Level Noncancer (mg/m^3)
PEST	4,4'-DDE	72-55-9	6.1E+01	5.9E+02	2.0E+01	1.2E+03	1.5E+02	3.5E+03	6.2E+01	1.5E+02	3.7E-02	4.1E-01	5.5E-03	3.8E-01
PEST	4,4'-DDT	50-29-3	6.1E+01	6.0E+02	2.0E+01	1.2E+03	1.5E+02	3.6E+03	6.2E+01	1.5E+02	3.7E-02	--	5.5E-03	--
PEST	Dieldrin	60-57-1	8.9E-01	7.4E+01	2.6E-01	7.5E+01	1.8E+00	2.1E+02	9.0E-01	1.9E+01	7.7E-04	4.1E-02	1.2E-04	3.8E-02
PEST	Toxaphene	8001-35-2	1.4E+01	2.9E+02	3.8E+00	1.5E+02	2.5E+01	4.0E+02	1.3E+01	6.9E+01	1.1E-02	--	1.7E-03	--
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP		3.9E+02		1.9E+03		5.1E+03		1.0E+02	--	4.1E+01	--	3.8E+01
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM		9.5E+01		4.5E+02		1.2E+03		2.5E+01	--	1.0E+01	--	9.6E+00
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP		1.2E+03		6.1E+03		1.7E+04		3.0E+02	--	1.4E+02	--	1.3E+02
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM									--	--	--	--
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP		2.7E+06		6.1E+06		1.9E+07		7.1E+05	--	--	--	--
PDIST	Motor Oil (Aromatics)	-OIL-AROM		4.1E+04		9.2E+04		2.9E+05		1.1E+04	--	--	--	--
PCB	Aroclor-1254	11097-69-1	6.0E+00	2.7E+01	1.7E+00	2.4E+01	1.1E+01	6.6E+01	6.0E+00	7.3E+00	6.2E-03	1.6E-02	9.4E-04	1.5E-02
PCB	Aroclor-1260	11096-82-5	5.5E+00	2.4E+01	1.6E+00	2.3E+01	1.1E+01	6.3E+01	5.7E+00	6.6E+00	6.2E-03	1.6E-02	9.4E-04	1.5E-02
PCB	Aroclor-1268	11100-14-4	7.5E+00	4.3E+01	2.0E+00	2.8E+01	1.3E+01	7.2E+01	7.0E+00	1.0E+01	6.2E-03	1.6E-02	9.4E-04	1.5E-02
INORG	Arsenic	7440-38-2	1.0E+00	9.3E+03	3.2E-01	1.3E+01	2.2E+00	3.5E+01	1.0E+00	1.4E+03	8.3E-04	3.0E-03	1.3E-04	2.9E-03
INORG	Barium	7440-39-3		2.7E+05		6.1E+05		3.1E+05		4.3E+04	--	1.0E-01	--	9.6E-02
INORG	Beryllium	7440-41-7	4.6E+09	2.7E+02	7.0E+08	6.1E+02	2.1E+03	1.4E+03	6.4E+03	6.8E+01	1.5E-03	1.4E-03	2.2E-04	1.3E-03
INORG	Cadmium	7440-43-9	2.6E+09	5.8E+02	4.0E+08	2.3E+02	1.2E+03	6.0E+02	3.7E+03	1.5E+02	8.4E-04	1.8E-01	1.3E-04	1.9E-03
INORG	Chromium (total)	7440-47-3		2.0E+06		4.6E+06		2.9E+06		3.6E+05	--	1.0E+00	--	9.6E-01
INORG	Cobalt	7440-48-4	1.2E+09	4.1E+03	1.9E+08	9.2E+02	5.7E+02	1.8E+03	1.7E+03	8.5E+02	3.9E-04	4.1E-03	6.0E-05	1.2E-03
INORG	Copper	7440-50-8		5.4E+04		1.2E+05		3.9E+05		1.4E+04	--	--	--	--
INORG	Lead	7439-92-1									--	--	--	--
INORG	Molybdenum	7439-98-7		8.1E+04		1.5E+04		4.7E+04		2.0E+04	--	4.1E-01	--	3.8E-01
INORG	Nickel	7440-02-0	4.2E+10	2.7E+04	6.4E+09	3.4E+04	2.0E+04	9.3E+03	5.9E+04	2.1E+03	1.4E-02	2.8E-03	2.1E-03	2.7E-03
INORG	Thallium	7440-28-0		1.4E+01		3.1E+01		9.7E+01		3.5E+00	--	--	--	--
INORG	Vanadium	7440-62-2		1.4E+04		1.5E+04		2.9E+04		3.0E+03	--	2.0E-02	--	1.9E-02
INORG	Zinc	7440-66-6		4.1E+05		9.2E+05		2.9E+06		1.1E+05	--	--	--	--
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	6-01-6-TEQ	1.5E-04	8.4E-04	5.0E-05	1.7E-03	3.7E-04	5.0E-03	1.6E-04	2.1E-04	9.3E-08	8.1E-06	1.4E-08	7.7E-06

Attachment 2

High School Student Risk Based Screening Level Calculations

Table 1 – Normalized Average Vapor Flux from Soil to Outdoor Air

Table 2 – Soil PM_{10} Emission from Wind Erosion

Table 3 – Dispersion Factor to Outdoor Air

Table 4 – Concentrations in Outdoor Air from Soil

Table 5a – Cancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil

Table 5b – Noncancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil

Table 6 – Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building

Attachment E-2
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
VOC	Acetone	67-64-1	5.81E-01		1.53E-03	1.07E+00	9.85E-05	6.90E-02	1.42E-06	6.18E-04	1.27E-05
VOC	Benzene	71-43-2	5.82E+01		2.19E-01	7.60E-01	8.47E-05	4.90E-02	1.22E-06	2.66E-02	7.62E-05
VOC	Benzyl chloride	100-44-7	7.94E+01		2.14E-02	6.48E-01	6.74E-05	4.17E-02	9.70E-07	2.16E-03	2.37E-05
VOC	Bromobenzene	108-86-1	2.79E+02		1.04E-01	4.64E-01	8.04E-05	2.99E-02	1.16E-06	3.02E-03	2.80E-05
VOC	Bromochloromethane	74-97-5	1.57E+01		7.05E-02	5.94E-01	8.64E-05	3.83E-02	1.24E-06	1.14E-02	5.38E-05
VOC	Bromodichloromethane	75-27-4	5.51E+01		6.27E-02	2.57E-01	9.16E-05	1.66E-02	1.32E-06	2.96E-03	2.77E-05
VOC	Bromoform	75-25-2	8.70E+01		2.07E-02	1.29E-01	8.90E-05	8.29E-03	1.28E-06	3.96E-04	1.01E-05
VOC	Bromomethane	74-83-9	1.05E+01		2.49E-01	6.29E-01	1.05E-04	4.05E-02	1.50E-06	3.75E-02	8.54E-05
VOC	2-Butanone	78-93-3	2.00E+00		2.78E-03	6.98E-01	8.47E-05	4.50E-02	1.22E-06	7.10E-04	1.36E-05
VOC	Butylbenzene	104-51-8	2.54E+03		4.80E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	1.94E-03	2.24E-05
VOC	sec-Butylbenzene	135-98-8	2.73E+03		2.55E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	9.67E-04	1.58E-05
VOC	tert-Butylbenzene	98-06-6	2.15E+03		4.55E-01	4.88E-01	6.93E-05	3.14E-02	9.97E-07	2.13E-03	2.35E-05
VOC	Carbon Disulfide	75-15-0	4.59E+01		1.20E+00	8.99E-01	8.64E-05	5.79E-02	1.24E-06	1.10E-01	1.10E-04
VOC	Carbon Tetrachloride	56-23-5	1.74E+02		1.20E+00	6.74E-01	7.60E-05	4.34E-02	1.09E-06	5.16E-02	9.34E-05
VOC	Chlorobenzene	108-90-7	2.20E+02		1.44E-01	6.31E-01	7.52E-05	4.06E-02	1.08E-06	6.77E-03	4.18E-05
VOC	Chloroethane	75-00-3	1.62E+01		5.11E-01	2.34E+00	9.94E-05	1.51E-01	1.43E-06	2.16E-01	1.21E-04
VOC	Chloroform	67-66-3	3.97E+01		1.44E-01	8.99E-01	8.64E-05	5.79E-02	1.24E-06	2.55E-02	7.51E-05
VOC	Chloromethane	74-87-3	3.97E+01		3.95E-01	1.09E+00	5.62E-05	7.01E-02	8.08E-07	7.01E-02	1.01E-04
VOC	2-Chlorotoluene	95-49-8	6.12E+02		1.75E-01	5.43E-01	7.52E-05	3.50E-02	1.08E-06	2.99E-03	2.79E-05
VOC	4-Chlorotoluene	106-43-4	7.57E+02		2.28E-01	5.40E-01	7.47E-05	3.48E-02	1.08E-06	3.19E-03	2.88E-05
VOC	Cumene	98-82-8	7.05E+02		4.97E-01	5.62E-01	6.13E-05	3.62E-02	8.83E-07	7.48E-03	4.39E-05
VOC	p-Cymene	99-87-6	2.11E+03		3.76E-01	4.84E-01	6.33E-05	3.12E-02	9.11E-07	1.79E-03	2.15E-05
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.45E+02		7.19E-03	6.91E-01	6.91E-05	4.45E-02	9.95E-07	5.31E-04	1.17E-05
VOC	Dibromochloromethane	124-48-1	6.26E+01		3.10E-02	1.69E-01	9.07E-05	1.09E-02	1.31E-06	9.28E-04	1.55E-05
VOC	1,2-Dibromoethane	106-93-4	2.22E+01		3.30E-02	3.72E-01	7.29E-05	2.39E-02	1.05E-06	3.22E-03	2.89E-05
VOC	Dibromomethane	74-95-3	1.95E+01		4.25E-02	6.91E-01	6.91E-05	4.45E-02	9.95E-07	7.87E-03	4.51E-05
VOC	1,2-Dichlorobenzene	95-50-1	6.23E+02		7.32E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.37E-03	1.89E-05
VOC	1,3-Dichlorobenzene	541-73-1	5.69E+02		1.61E-01	5.98E-01	6.79E-05	3.85E-02	9.77E-07	3.25E-03	2.90E-05
VOC	1,4-Dichlorobenzene	106-46-7	6.12E+02		9.38E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.78E-03	2.15E-05
VOC	Dichlorodifluoromethane	75-71-8	6.15E+01		1.66E+01	6.91E-01	6.91E-05	4.45E-02	9.95E-07	1.54E-01	1.16E-04
VOC	1,1-Dichloroethane	75-34-3	3.13E+01		2.21E-01	6.41E-01	9.07E-05	4.13E-02	1.31E-06	2.83E-02	7.79E-05
VOC	1,2-Dichloroethane	107-06-2	1.75E+01		3.84E-02	8.99E-01	8.55E-05	5.79E-02	1.23E-06	9.52E-03	4.94E-05
VOC	1,1-Dichloroethene	75-35-4	5.82E+01		1.04E+00	7.78E-01	8.99E-05	5.01E-02	1.29E-06	8.34E-02	1.04E-04
VOC	cis-1,2-Dichloroethene	156-59-2	3.56E+01		1.60E-01	6.36E-01	9.76E-05	4.10E-02	1.40E-06	2.05E-02	6.93E-05
VOC	trans-1,2-Dichloroethene	156-60-5	5.22E+01		3.71E-01	6.11E-01	1.03E-04	3.94E-02	1.48E-06	3.43E-02	8.31E-05
VOC	1,2-Dichloropropane	78-87-5	4.35E+01		1.10E-01	6.76E-01	7.54E-05	4.35E-02	1.09E-06	1.45E-02	5.99E-05
VOC	1,3-Dichloropropane	142-28-9	4.59E+01		4.85E-05	6.40E-01	8.53E-05	4.12E-02	1.23E-06	1.05E-05	1.65E-06
VOC	2,2-Dichloropropane	594-20-7	3.85E+01		2.24E-01	6.22E-01	8.19E-05	4.01E-02	1.18E-06	2.60E-02	7.56E-05
VOC	1,1-Dichloropropene	563-58-6	1.21E+02		2.45E+00						
VOC	1,3-Dichloropropene (total)	542-75-6	4.59E+01		6.92E-01	5.41E-01	8.64E-05	3.48E-02	1.24E-06	4.89E-02	9.21E-05
VOC	Diisopropyl ether	108-20-3	1.52E+03		9.99E-02	7.55E-01	6.73E-05	4.86E-02	9.69E-07	1.03E-03	1.63E-05
VOC	1,1-Difluoroethane	75-37-6									
VOC	Ethyl Benzene	100-41-4	3.67E+02		3.06E-01	6.48E-01	6.74E-05	4.17E-02	9.70E-07	9.49E-03	4.93E-05
VOC	Ethyl tert-butyl ether	637-92-3									
VOC	4-Ethyltoluene	622-96-8	1.16E+03		2.45E-01	5.61E-01	6.77E-05	3.61E-02	9.75E-07	2.38E-03	2.49E-05
VOC	Freon 114	76-14-2			1.37E+02						
VOC	2-Hexanone	591-78-6	1.48E+01		4.52E-03	7.45E-01	7.57E-05	4.80E-02	1.09E-06	1.01E-03	1.62E-05
VOC	Isobutane	75-28-5									
VOC	Isopropanol	67-63-0	1.31E+00		3.76E-04	8.47E-01	6.65E-05	5.45E-02	9.56E-07	1.23E-04	5.64E-06
VOC	Methyl tert-butyl ether	1634-04-4	1.15E+01		2.31E-02	7.42E-01	8.73E-05	4.78E-02	1.26E-06	5.24E-03	3.68E-05
VOC	4-Methyl-2-pentanone	108-10-1	1.05E+01		6.96E-03	6.48E-01	6.74E-05	4.17E-02	9.70E-07	1.43E-03	1.92E-05
VOC	Methylene Chloride	75-09-2	1.17E+01		8.66E-02	8.73E-01	1.01E-04	5.62E-02	1.45E-06	2.13E-02	7.02E-05
VOC	Propylbenzene	103-65-1	9.83E+02		3.93E-01	5.19E-01	6.77E-05	3.35E-02	9.74E-07	4.10E-03	3.26E-05
VOC	Styrene	100-42-5	7.77E+02		1.07E-01	6.13E-01	6.91E-05	3.95E-02	9.95E-07	1.68E-03	2.09E-05
VOC	tert Butyl alcohol	75-65-0	2.27E+00		6.99E-04	8.51E-01	9.85E-05	5.48E-02	1.42E-06	2.23E-04	7.61E-06
VOC	1,1,1,2-Tetrachloroethane	630-20-6	3.06E+02		1.27E-01	6.13E-01	6.83E-05	3.95E-02	9.82E-07	4.48E-03	3.41E-05
VOC	1,1,2,2-Tetrachloroethane	79-34-5	9.35E+01		1.33E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	1.16E-03	1.74E-05
VOC	Tetrachloroethene	127-18-4	1.56E+02		7.17E-01	6.22E-01	7.08E-05	4.01E-02	1.02E-06	3.47E-02	8.34E-05
VOC	Toluene	108-88-3	1.80E+02		2.59E-01	7.52E-01	7.43E-05	4.84E-02	1.07E-06	1.61E-02	6.27E-05
VOC	1,2,3-Trichlorobenzene	87-61-6	3.97E+03		6.12E-02	3.30E-01	7.11E-05	2.13E-02	1.02E-06	1.08E-04	5.30E-06
VOC	1,2,4-Trichlorobenzene	120-82-1	1.79E+03		5.42E-02	2.59E-01	7.11E-05	1.67E-02	1.02E-06	1.64E-04	6.52E-06
VOC	1,1,1-Trichloroethane	71-55-6	1.10E+02		6.77E-01	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.32E-02	8.90E-05
VOC	1,1,2-Trichloroethane	79-00-5	5.03E+01		3.56E-02	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.68E-03	3.48E-05
VOC	Trichloroethene	79-01-6	1.68E+02		4.04E-01	6.83E-01	7.86E-05	4.40E-02	1.13E-06	2.28E-02	7.21E-05
VOC	Trichlorofluoromethane	75-69-4	1.21E+02		4.49E+00	7.52E-01	8.38E-05	4.84E-02	1.21E-06	1.25E-01	1.12E-04
VOC	1,2,3-Trichloropropane	96-18-4	4.43E+01		1.78E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	2.29E-03	2.44E-05
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3.81E+02		2.27E+01	6.74E-01	7.08E-05	4.34E-02	1.02E-06	1.33E-01	1.13E-04
VOC	1,2,4-Trimethylbenzene	95-63-6	8.97E+02		2.37E-01	5.24E-01	6.84E-05	3.37E-02	9.85E-07	2.74E-03	2.67E-05
VOC	1,3,5-Trimethylbenzene	108-67-8	1.76E+03		2.26E-01	5.20E-01	7.49E-05	3.35E-02	1.08E-06	1.38E-03	1.89E-05
VOC	Vinyl Acetate	108-05-4	5.22E+00		2.01E-02	7.34E-01	7.95E-05	4.73E-02	1.14E-06	4.95E-03	3.58E-05
VOC	Vinyl Chloride	75-01-4	1.85E+01		1.08E+00	9.16E-01	1.06E-04	5.90E-02	1.53E-06	1.24E-01	1.12E-04
VOC	Xylenes (total)	1330-20-7	3.86E+02		3.30E-01	6.74E-01	7.56E-05	4.34E-02	1.09E-06	1.02E-02	5.10E-05
SVOC	t-Amyl methyl ether	994-05-8									
SVOC	Hexachlorobutadiene	87-68-3	5.35E+04		3.12E-01	4.85E-01	5.32E-05	3.12E-02	7.66E-07	6.10E-05	3.98E-06
SVOC	Naphthalene	91-20-3	2.01E+03		1.85E-02	5.10E-01	6.48E-05	3.28E-02	9.33E-07	9.86E-05	5.06E-06
PEST	Chlordane (total)	57-74-9	1.21E+05		1.79E-03	1.02E-01	3.78E-05	6.57E-03	5.43E-07	3.40E-08	9.39E-08
PEST	4,4'-DDE	72-55-9	4.42E+06		7.63E-04	1.24E-01	5.07E-05	8.02E-03	7.30E-07	5.20E-10	1.16E-08
PEST	4,4'-DDT	50-29-3	2.63E+06		2.80E-04	1.18E-01	4.28E-05	7.63E-03	6.15E-07	3.51E-10	9.55E-09
PEST	Dieldrin	60-57-1	2.14E+04		5.41E-04	1.08E-01	4.10E-05	6.96E-03	5.89E-07	6.80E-08	1.33E-07
PEST	Toxaphene	8001-35-2	2.55E+05		2.17E-04	1.00E-01	3.75E-05	6.46E-03	5.40E-07	2.55E-09	2.57E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	1.08E-04
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	1.08E-04
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	1.15E-04
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	1.15E-04
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP									
PDIST	Motor Oil (Aromatics)	M-OIL-AROM									
PCB	Aroclor-1254	11097-69-1	2.45E+06		1.22E-01	1.75E-01	4.32E-05	1.12E-02	6.22E-07	1.88E-07	2.21E-07
PCB	Aroclor-1260	11096-82-5	4.84E+06		4.37E-01	1.97E-01	5.04E-05	1.27E-02	7.25E-07	3.84E-07	3.16E-07
PCB	Aroclor-1268	11100-14-4									
INORG	Arsenic	7440-38-2		2.90E+01							
INORG	Barium	7440-39-3		4.10E+01							
INORG	Beryllium	7440-41-7		7.90E+02							
INORG	Cadmium	7440-43-9		7.50E+01							
INORG	Chromium (total)	7440-47-3		1.90E+01							

Attachment E-2
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
INORG	Cobalt	7440-48-4		4.50E+01							
INORG	Copper	7440-50-8		3.50E+01							
INORG	Lead	7439-92-1		9.00E+02							
INORG	Molybdenum	7439-98-7		2.00E+01							
INORG	Nickel	7440-02-0		6.50E+01							
INORG	Thallium	7440-28-0		7.10E+01							
INORG	Vanadium	7440-62-2		1.00E+03							
INORG	Zinc	7440-66-6		6.20E+01							
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	3.37E+06		3.06E-03	4.06E-01	6.91E-05	2.62E-02	9.95E-07	8.08E-09	4.58E-08

Notes:

Soil bulk density	kg/L	ρ_b	1.49
Soil porosity	L/L-soil	θ	0.44
Soil water content	L/L-soil	θ_w	0.17
Soil air-filled porosity	L/L-soil	θ_a	0.27
Soil organic carbon fraction	unitless	f_{oc}	0.002
Averaging period (Exposure Duration)	years	T	4
	days	T	1460
Temperature	°C	Temp	24
Clean soil above source	m	Z_1	
Bottom of source depth	m	Z_2	12.80

Based on the volatilization model developed by Jury et. al. (1983) for finite sources as described in USEPA's (1996) Soil Screening Guidance: Technical Background Document.
The K_d for organic compounds is the K_{oc} times the f_{oc}.

Attachment E-2

Table 2

Soil PM^{10} Emission from Wind Erosion (Unlimited Reservoir Model)

Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Variable	Value
Aerodynamic particle size multiplier			0.036
Ground cover fraction		**G**	0.5
Mode of aggregate size distribution	mm		0.50
Threshold friction velocity	m/s	$\mathbf{u'_t}$	0.50
Correction factor			1.25
Corrected friction velocity	m/s	$\mathbf{u^*_t}$	0.6252
Roughness height	m	$\mathbf{z_0}$	0.005
Anemometer height	m		7.9
Friction velocity at anemometer height	m/s	$\mathbf{u_t}$	11.52
Mean annual wind speed	mph	$\mathbf{u_m}$	5.6
Mean annual wind speed	m/s	$\mathbf{u_m}$	2.50
u_m/u_t			0.217
$x = 0.886\ u_t/u_m$			4.08
F(x)			0.0000065
Annual average PM_{10} flux	kg-soil/m^2-s	$\mathbf{J_{10,w}}$	**3.3E-16**

Attachment E-2
Table 3
Dispersion Factor to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Value
Correlation coefficient city		90th% (LA)
Correlation coefficient A		11.9110
Correlation coefficient B		18.4385
Correlation coefficient C		209.7845

Soil source area	acres	33
Soil C/Q averaging time		Annual Max
Conversion factor from 1-Hr Max for soil		0.19
C/Q for soil	$(kg/m^3)/(kg/m^2\text{-}s)$	**28.96**

Note:
C/Q is estimated using the empirical correlation in USEPA's (2002) Supplemental Soil Screening Guidance.

Attachment E-2
Table 4
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
VOC	Acetone	67-64-1	1.00E+00	3.67E-04	1.00E+00	9.64E-15
VOC	Benzene	71-43-2	1.00E+00	2.21E-03	1.00E+00	9.64E-15
VOC	Benzyl chloride	100-44-7	1.00E+00	6.86E-04	1.00E+00	9.64E-15
VOC	Bromobenzene	108-86-1	1.00E+00	8.10E-04	1.00E+00	9.64E-15
VOC	Bromochloromethane	74-97-5	1.00E+00	1.56E-03	1.00E+00	9.64E-15
VOC	Bromodichloromethane	75-27-4	1.00E+00	8.02E-04	1.00E+00	9.64E-15
VOC	Bromoform	75-25-2	1.00E+00	2.94E-04	1.00E+00	9.64E-15
VOC	Bromomethane	74-83-9	1.00E+00	2.47E-03	1.00E+00	9.64E-15
VOC	2-Butanone	78-93-3	1.00E+00	3.93E-04	1.00E+00	9.64E-15
VOC	Butylbenzene	104-51-8	1.00E+00	6.49E-04	1.00E+00	9.64E-15
VOC	sec-Butylbenzene	135-98-8	1.00E+00	4.59E-04	1.00E+00	9.64E-15
VOC	tert-Butylbenzene	98-06-6	1.00E+00	6.81E-04	1.00E+00	9.64E-15
VOC	Carbon Disulfide	75-15-0	1.00E+00	3.18E-03	1.00E+00	9.64E-15
VOC	Carbon Tetrachloride	56-23-5	1.00E+00	2.71E-03	1.00E+00	9.64E-15
VOC	Chlorobenzene	108-90-7	1.00E+00	1.21E-03	1.00E+00	9.64E-15
VOC	Chloroethane	75-00-3	1.00E+00	3.51E-03	1.00E+00	9.64E-15
VOC	Chloroform	67-66-3	1.00E+00	2.18E-03	1.00E+00	9.64E-15
VOC	Chloromethane	74-87-3	1.00E+00	2.91E-03	1.00E+00	9.64E-15
VOC	2-Chlorotoluene	95-49-8	1.00E+00	8.07E-04	1.00E+00	9.64E-15
VOC	4-Chlorotoluene	106-43-4	1.00E+00	8.33E-04	1.00E+00	9.64E-15
VOC	Cumene	98-82-8	1.00E+00	1.27E-03	1.00E+00	9.64E-15
VOC	p-Cymene	99-87-6	1.00E+00	6.23E-04	1.00E+00	9.64E-15
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.00E+00	3.40E-04	1.00E+00	9.64E-15
VOC	Dibromochloromethane	124-48-1	1.00E+00	4.49E-04	1.00E+00	9.64E-15
VOC	1,2-Dibromoethane	106-93-4	1.00E+00	8.37E-04	1.00E+00	9.64E-15
VOC	Dibromomethane	74-95-3	1.00E+00	1.31E-03	1.00E+00	9.64E-15
VOC	1,2-Dichlorobenzene	95-50-1	1.00E+00	5.47E-04	1.00E+00	9.64E-15
VOC	1,3-Dichlorobenzene	541-73-1	1.00E+00	8.41E-04	1.00E+00	9.64E-15
VOC	1,4-Dichlorobenzene	106-46-7	1.00E+00	6.23E-04	1.00E+00	9.64E-15
VOC	Dichlorodifluoromethane	75-71-8	1.00E+00	3.36E-03	1.00E+00	9.64E-15
VOC	1,1-Dichloroethane	75-34-3	1.00E+00	2.26E-03	1.00E+00	9.64E-15
VOC	1,2-Dichloroethane	107-06-2	1.00E+00	1.43E-03	1.00E+00	9.64E-15
VOC	1,1-Dichloroethene	75-35-4	1.00E+00	3.02E-03	1.00E+00	9.64E-15
VOC	cis-1,2-Dichloroethene	156-59-2	1.00E+00	2.01E-03	1.00E+00	9.64E-15
VOC	trans-1,2-Dichloroethene	156-60-5	1.00E+00	2.41E-03	1.00E+00	9.64E-15
VOC	1,2-Dichloropropane	78-87-5	1.00E+00	1.74E-03	1.00E+00	9.64E-15
VOC	1,3-Dichloropropane	142-28-9	1.00E+00	4.78E-05	1.00E+00	9.64E-15
VOC	2,2-Dichloropropane	594-20-7	1.00E+00	2.19E-03	1.00E+00	9.64E-15
VOC	1,1-Dichloropropene	563-58-6	1.00E+00		1.00E+00	9.64E-15
VOC	1,3-Dichloropropene (total)	542-75-6	1.00E+00	2.67E-03	1.00E+00	9.64E-15
VOC	Diisopropyl ether	108-20-3	1.00E+00	4.72E-04	1.00E+00	9.64E-15
VOC	1,1-Difluoroethane	75-37-6	1.00E+00		1.00E+00	9.64E-15
VOC	Ethyl Benzene	100-41-4	1.00E+00	1.43E-03	1.00E+00	9.64E-15
VOC	Ethyl tert-butyl ether	637-92-3	1.00E+00		1.00E+00	9.64E-15
VOC	4-Ethyltoluene	622-96-8	1.00E+00	7.20E-04	1.00E+00	9.64E-15
VOC	Freon 114	76-14-2	1.00E+00		1.00E+00	9.64E-15
VOC	2-Hexanone	591-78-6	1.00E+00	4.68E-04	1.00E+00	9.64E-15
VOC	Isobutane	75-28-5	1.00E+00		1.00E+00	9.64E-15
VOC	Isopropanol	67-63-0	1.00E+00	1.63E-04	1.00E+00	9.64E-15
VOC	Methyl tert-butyl ether	1634-04-4	1.00E+00	1.07E-03	1.00E+00	9.64E-15
VOC	4-Methyl-2-pentanone	108-10-1	1.00E+00	5.57E-04	1.00E+00	9.64E-15
VOC	Methylene Chloride	75-09-2	1.00E+00	2.03E-03	1.00E+00	9.64E-15
VOC	Propylbenzene	103-65-1	1.00E+00	9.44E-04	1.00E+00	9.64E-15
VOC	Styrene	100-42-5	1.00E+00	6.05E-04	1.00E+00	9.64E-15
VOC	tert Butyl alcohol	75-65-0	1.00E+00	2.20E-04	1.00E+00	9.64E-15
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.00E+00	9.87E-04	1.00E+00	9.64E-15
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.00E+00	5.03E-04	1.00E+00	9.64E-15
VOC	Tetrachloroethene	127-18-4	1.00E+00	2.42E-03	1.00E+00	9.64E-15
VOC	Toluene	108-88-3	1.00E+00	1.82E-03	1.00E+00	9.64E-15
VOC	1,2,3-Trichlorobenzene	87-61-6	1.00E+00	1.54E-04	1.00E+00	9.64E-15
VOC	1,2,4-Trichlorobenzene	120-82-1	1.00E+00	1.89E-04	1.00E+00	9.64E-15
VOC	1,1,1-Trichloroethane	71-55-6	1.00E+00	2.58E-03	1.00E+00	9.64E-15
VOC	1,1,2-Trichloroethane	79-00-5	1.00E+00	1.01E-03	1.00E+00	9.64E-15
VOC	Trichloroethene	79-01-6	1.00E+00	2.09E-03	1.00E+00	9.64E-15
VOC	Trichlorofluoromethane	75-69-4	1.00E+00	3.25E-03	1.00E+00	9.64E-15
VOC	1,2,3-Trichloropropane	96-18-4	1.00E+00	7.06E-04	1.00E+00	9.64E-15
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.00E+00	3.28E-03	1.00E+00	9.64E-15
VOC	1,2,4-Trimethylbenzene	95-63-6	1.00E+00	7.73E-04	1.00E+00	9.64E-15
VOC	1,3,5-Trimethylbenzene	108-67-8	1.00E+00	5.48E-04	1.00E+00	9.64E-15
VOC	Vinyl Acetate	108-05-4	1.00E+00	1.04E-03	1.00E+00	9.64E-15
VOC	Vinyl Chloride	75-01-4	1.00E+00	3.25E-03	1.00E+00	9.64E-15
VOC	Xylenes (total)	1330-20-7	1.00E+00	1.48E-03	1.00E+00	9.64E-15
SVOC	t-Amyl methyl ether	994-05-8	1.00E+00		1.00E+00	9.64E-15
SVOC	Hexachlorobutadiene	87-68-3	1.00E+00	1.15E-04	1.00E+00	9.64E-15
SVOC	Naphthalene	91-20-3	1.00E+00	1.46E-04	1.00E+00	9.64E-15
PEST	Chlordane (total)	57-74-9	1.00E+00	2.72E-06	1.00E+00	9.64E-15
PEST	4,4'-DDE	72-55-9	1.00E+00	3.36E-07	1.00E+00	9.64E-15
PEST	4,4'-DDT	50-29-3	1.00E+00	2.76E-07	1.00E+00	9.64E-15
PEST	Dieldrin	60-57-1	1.00E+00	3.85E-06	1.00E+00	9.64E-15

Attachment E-2
Table 4
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
PEST	Toxaphene	8001-35-2	1.00E+00	7.46E-07	1.00E+00	9.64E-15
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.00E+00	3.13E-03	1.00E+00	9.64E-15
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.00E+00	3.13E-03	1.00E+00	9.64E-15
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.00E+00	3.33E-03	1.00E+00	9.64E-15
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.00E+00	3.33E-03	1.00E+00	9.64E-15
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.00E+00		1.00E+00	9.64E-15
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.00E+00		1.00E+00	9.64E-15
PCB	Aroclor-1254	11097-69-1	1.00E+00	6.40E-06	1.00E+00	9.64E-15
PCB	Aroclor-1260	11096-82-5	1.00E+00	9.14E-06	1.00E+00	9.64E-15
PCB	Aroclor-1268	11100-14-4	1.00E+00		1.00E+00	9.64E-15
INORG	Arsenic	7440-38-2	1.00E+00		1.00E+00	9.64E-15
INORG	Barium	7440-39-3	1.00E+00		1.00E+00	9.64E-15
INORG	Beryllium	7440-41-7	1.00E+00		1.00E+00	9.64E-15
INORG	Cadmium	7440-43-9	1.00E+00		1.00E+00	9.64E-15
INORG	Chromium (total)	7440-47-3	1.00E+00		1.00E+00	9.64E-15
INORG	Cobalt	7440-48-4	1.00E+00		1.00E+00	9.64E-15
INORG	Copper	7440-50-8	1.00E+00		1.00E+00	9.64E-15
INORG	Lead	7439-92-1	1.00E+00		1.00E+00	9.64E-15
INORG	Molybdenum	7439-98-7	1.00E+00		1.00E+00	9.64E-15
INORG	Nickel	7440-02-0	1.00E+00		1.00E+00	9.64E-15
INORG	Thallium	7440-28-0	1.00E+00		1.00E+00	9.64E-15
INORG	Vanadium	7440-62-2	1.00E+00		1.00E+00	9.64E-15
INORG	Zinc	7440-66-6	1.00E+00		1.00E+00	9.64E-15
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.00E+00	1.33E-06	1.00E+00	9.64E-15

Attachment E-2
Table 5a
Cancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

					Soil Ingestion					Soil Dermal Contact					Soil Vapor Inhalation				Soil Particulate Inhalation				All Routes
Chem Group	**Chemical**	**CASRN**	**ADAF**	C_{soil} (mg/kg)	**RBA**	**LADD** (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	f_{oral}	**RBSL** (mg/kg)	ABS_{derm}	**LADD** (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	f_{oral}	**RBSL** (mg/kg)	C_{air} (mg/m^3)	**URF** (m^3/mg)	f_{inh}	**RBSL** (mg/kg)	C_{air} (mg/m^3)	**URF** $(mg/m^3)^{-1}$	f_{inh}	**RBSL** (mg/kg)	**RBSL** (mg/kg)
VOC	Acetone	67-64-1	N	1.0E+00		4.2E-08									3.7E-04				9.6E-15				
VOC	Benzene	71-43-2	N	1.0E+00		4.2E-08	1.0E-01		2.4E+02			1.0E-01			2.2E-03	2.9E-02		1.7E+00	9.6E-15	2.9E-02		3.8E+11	1.7E+00
VOC	Benzyl chloride	100-44-7	N	1.0E+00		4.2E-08	1.7E-01		1.4E+02			1.7E-01			6.9E-04	4.9E-02		3.2E+00	9.6E-15	4.9E-02		2.3E+11	3.1E+00
VOC	Bromobenzene	108-86-1	N	1.0E+00		4.2E-08									8.1E-04				9.6E-15				
VOC	Bromochloromethane	74-97-5	N	1.0E+00		4.2E-08									1.6E-03				9.6E-15				
VOC	Bromodichloromethane	75-27-4	N	1.0E+00		4.2E-08	6.2E-02		3.8E+02			6.2E-02			8.0E-04	3.7E-02		3.6E+00	9.6E-15	3.7E-02		3.0E+11	3.6E+00
VOC	Bromoform	75-25-2	N	1.0E+00		4.2E-08	7.9E-03		3.0E+03			7.9E-03			2.9E-04	1.1E-03		3.3E+02	9.6E-15	1.1E-03		1.0E+13	3.0E+02
VOC	Bromomethane	74-83-9	N	1.0E+00		4.2E-08									2.5E-03				9.6E-15				
VOC	2-Butanone	78-93-3	N	1.0E+00		4.2E-08									3.9E-04				9.6E-15				
VOC	Butylbenzene	104-51-8	N	1.0E+00		4.2E-08									6.5E-04				9.6E-15				
VOC	sec-Butylbenzene	135-98-8	N	1.0E+00		4.2E-08									4.6E-04				9.6E-15				
VOC	tert-Butylbenzene	98-06-6	N	1.0E+00		4.2E-08									6.8E-04				9.6E-15				
VOC	Carbon Disulfide	75-15-0	N	1.0E+00		4.2E-08									3.2E-03				9.6E-15				
VOC	Carbon Tetrachloride	56-23-5	N	1.0E+00		4.2E-08	7.0E-02		3.4E+02			7.0E-02			2.7E-03	6.0E-03		6.6E+00	9.6E-15	6.0E-03		1.8E+12	6.4E+00
VOC	Chlorobenzene	108-90-7	N	1.0E+00		4.2E-08									1.2E-03				9.6E-15				
VOC	Chloroethane	75-00-3	N	1.0E+00		4.2E-08									3.5E-03				9.6E-15				
VOC	Chloroform	67-66-3	N	1.0E+00		4.2E-08	3.1E-02		7.6E+02			3.1E-02			2.2E-03	2.3E-02		2.1E+00	9.6E-15	2.3E-02		4.8E+11	2.1E+00
VOC	Chloromethane	74-87-3	N	1.0E+00		4.2E-08									2.9E-03				9.6E-15				
VOC	2-Chlorotoluene	95-49-8	N	1.0E+00		4.2E-08									8.1E-04				9.6E-15				
VOC	4-Chlorotoluene	106-43-4	N	1.0E+00		4.2E-08									8.3E-04				9.6E-15				
VOC	Cumene	98-82-8	N	1.0E+00		4.2E-08									1.3E-03				9.6E-15				
VOC	p-Cymene	99-87-6	N	1.0E+00		4.2E-08									6.2E-04				9.6E-15				
VOC	1,2-Dibromo-3-chloropropane	96-12-8	Y	1.0E+00		4.2E-08	7.0E+00	1	1.6E+00			7.0E+00	1		3.4E-04	6.0E+00	1	2.6E-02	9.6E-15	6.0E+00	1	9.2E+08	2.6E-02
VOC	Dibromochloromethane	124-48-1	N	1.0E+00		4.2E-08	8.4E-02		2.8E+02			8.4E-02			4.5E-04	2.1E-02		1.1E+01	9.6E-15	2.1E-02		5.3E+11	1.1E+01
VOC	1,2-Dibromoethane	106-93-4	N	1.0E+00		4.2E-08	2.0E+00		1.2E+01			2.0E+00			8.4E-04	6.0E-01		2.1E-01	9.6E-15	6.0E-01		1.8E+10	2.1E-01
VOC	Dibromomethane	74-95-3	N	1.0E+00		4.2E-08									1.3E-03				9.6E-15				
VOC	1,2-Dichlorobenzene	95-50-1	N	1.0E+00		4.2E-08									5.5E-04				9.6E-15				
VOC	1,3-Dichlorobenzene	541-73-1	N	1.0E+00		4.2E-08									8.4E-04				9.6E-15				
VOC	1,4-Dichlorobenzene	106-46-7	N	1.0E+00		4.2E-08	5.4E-03		4.4E+03			5.4E-03			6.2E-04	1.1E-02		1.6E+01	9.6E-15	1.1E-02		1.0E+12	1.5E+01
VOC	Dichlorodifluoromethane	75-71-8	N	1.0E+00		4.2E-08									3.4E-03				9.6E-15				
VOC	1,1-Dichloroethane	75-34-3	N	1.0E+00		4.2E-08	5.7E-03		4.1E+03			5.7E-03			2.3E-03	1.6E-03		2.9E+01	9.6E-15	1.6E-03		6.9E+12	2.9E+01
VOC	1,2-Dichloroethane	107-06-2	N	1.0E+00		4.2E-08	9.1E-02		2.6E+02			9.1E-02			1.4E-03	2.6E-02		2.9E+00	9.6E-15	2.6E-02		4.2E+11	2.8E+00
VOC	1,1-Dichloroethene	75-35-4	N	1.0E+00		4.2E-08									3.0E-03				9.6E-15				
VOC	cis-1,2-Dichloroethene	156-59-2	N	1.0E+00		4.2E-08									2.0E-03				9.6E-15				
VOC	trans-1,2-Dichloroethene	156-60-5	N	1.0E+00		4.2E-08									2.4E-03				9.6E-15				
VOC	1,2-Dichloropropane	78-87-5	N	1.0E+00		4.2E-08	3.7E-02		6.4E+02			3.7E-02			1.7E-03	3.7E-03		1.7E+01	9.6E-15	3.7E-03		3.0E+12	1.6E+01
VOC	1,3-Dichloropropane	142-28-9	N	1.0E+00		4.2E-08									4.8E-05				9.6E-15				
VOC	2,2-Dichloropropane	594-20-7	N	1.0E+00		4.2E-08									2.2E-03				9.6E-15				
VOC	1,1-Dichloropropene	563-58-6	N	1.0E+00		4.2E-08													9.6E-15				
VOC	1,3-Dichloropropene (total)	542-75-6	N	1.0E+00		4.2E-08	1.0E-01		2.4E+02			1.0E-01			2.7E-03	4.0E-03		1.0E+01	9.6E-15	4.0E-03		2.8E+12	9.6E+00
VOC	Diisopropyl ether	108-20-3	N	1.0E+00		4.2E-08									4.7E-04				9.6E-15				
VOC	1,1-Difluoroethane	75-37-6	N	1.0E+00		4.2E-08													9.6E-15				
VOC	Ethyl Benzene	100-41-4	N	1.0E+00		4.2E-08	1.1E-02		2.1E+03			1.1E-02			1.4E-03	2.5E-03		3.0E+01	9.6E-15	2.5E-03		4.4E+12	2.9E+01
VOC	Ethyl tert-butyl ether	637-92-3	N	1.0E+00		4.2E-08													9.6E-15				
VOC	4-Ethyltoluene	622-96-8	N	1.0E+00		4.2E-08									7.2E-04				9.6E-15				
VOC	Freon 114	76-14-2	N	1.0E+00		4.2E-08													9.6E-15				
VOC	2-Hexanone	591-78-6	N	1.0E+00		4.2E-08									4.7E-04				9.6E-15				
VOC	Isobutane	75-28-5	N	1.0E+00		4.2E-08													9.6E-15				
VOC	Isopropanol	67-63-0	N	1.0E+00		4.2E-08									1.6E-04				9.6E-15				
VOC	Methyl tert-butyl ether	1634-04-4	N	1.0E+00		4.2E-08	1.8E-03		1.3E+04			1.8E-03			1.1E-03	2.6E-04		3.8E+02	9.6E-15	2.6E-04		4.2E+13	3.7E+02
VOC	4-Methyl-2-pentanone	108-10-1	N	1.0E+00		4.2E-08									5.6E-04				9.6E-15				
VOC	Methylene Chloride	75-09-2	Y	1.0E+00		4.2E-08	2.0E-03	1	5.7E+03			2.0E-03	1		2.0E-03	1.0E-03	1	2.6E+01	9.6E-15	1.0E-03	1	5.5E+12	2.6E+01
VOC	Propylbenzene	103-65-1	N	1.0E+00		4.2E-08									9.4E-04				9.6E-15				
VOC	Styrene	100-42-5	N	1.0E+00		4.2E-08									6.0E-04				9.6E-15				
VOC	tert Butyl alcohol	75-65-0	N	1.0E+00		4.2E-08	5.0E-04		4.7E+04			5.0E-04			2.2E-04				9.6E-15				4.7E+04
VOC	1,1,1,2-Tetrachloroethane	630-20-6	N	1.0E+00		4.2E-08	2.6E-02		9.1E+02			2.6E-02			9.9E-04	7.4E-03		1.5E+01	9.6E-15	7.4E-03		1.5E+12	1.4E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	N	1.0E+00		4.2E-08	2.0E-01		1.2E+02			2.0E-01			5.0E-04	5.8E-02		3.6E+00	9.6E-15	5.8E-02		1.9E+11	3.5E+00
VOC	Tetrachloroethene	127-18-4	N	1.0E+00		4.2E-08	5.4E-01		4.4E+01			5.4E-01			2.4E-03	6.1E-03		7.2E+00	9.6E-15	6.1E-03		1.8E+12	6.2E+00
VOC	Toluene	108-88-3	N	1.0E+00		4.2E-08									1.8E-03				9.6E-15				
VOC	1,2,3-Trichlorobenzene	87-61-6	N	1.0E+00		4.2E-08									1.5E-04				9.6E-15				
VOC	1,2,4-Trichlorobenzene	120-82-1	N	1.0E+00		4.2E-08	2.9E-02		8.2E+02			2.9E-02			1.9E-04	7.3E-03		7.7E+01	9.6E-15	7.3E-03		1.5E+12	7.1E+01
VOC	1,1,1-Trichloroethane	71-55-6	N	1.0E+00		4.2E-08									2.6E-03				9.6E-15				

Attachment E-2
Table 5a
Cancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

					Soil Ingestion					Soil Dermal Contact					Soil Vapor Inhalation				Soil Particulate Inhalation				All Routes
Chem Group	**Chemical**	**CASRN**	**ADAF**	C_{soil} (mg/kg)	**RBA**	**LADD** (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	f_{oral}	**RBSL** (mg/kg)	ABS_{derm}	**LADD** (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	f_{oral}	**RBSL** (mg/kg)	C_{air} (mg/m^3)	**URF** (m^3/mg)	f_{inh}	**RBSL** (mg/kg)	C_{air} (mg/m^3)	**URF** $(mg/m^3)^{-1}$	f_{inh}	**RBSL** (mg/kg)	**RBSL** (mg/kg)
VOC	1,1,2-Trichloroethane	79-00-5	N	1.0E+00		4.2E-08	5.7E-02		4.1E+02			5.7E-02			1.0E-03	1.6E-02		6.6E+00	9.6E-15	1.6E-02		6.9E+11	6.5E+00
VOC	Trichloroethene	79-01-6	Y	1.0E+00		4.2E-08	4.6E-02	0.2022	4.2E+02			4.6E-02	0.2022		2.1E-03	4.1E-03	0.2439	1.0E+01	9.6E-15	4.1E-03	0.2439	2.2E+12	9.8E+00
VOC	Trichlorofluoromethane	75-69-4	N	1.0E+00		4.2E-08									3.3E-03				9.6E-15				
VOC	1,2,3-Trichloropropane	96-18-4	Y	1.0E+00		4.2E-08	3.0E+01	1	3.8E-01			3.0E+01	1		7.1E-04	7.5E+00	1	1.0E-02	9.6E-15	7.5E+00	1	7.4E+08	9.8E-03
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N	1.0E+00		4.2E-08									3.3E-03				9.6E-15				
VOC	1,2,4-Trimethylbenzene	95-63-6	N	1.0E+00		4.2E-08									7.7E-04				9.6E-15				
VOC	1,3,5-Trimethylbenzene	108-67-8	N	1.0E+00		4.2E-08									5.5E-04				9.6E-15				
VOC	Vinyl Acetate	108-05-4	N	1.0E+00		4.2E-08									1.0E-03				9.6E-15				
VOC	Vinyl Chloride	75-01-4	N	1.0E+00		4.2E-08	7.2E-01		3.3E+01			7.2E-01			3.2E-03	7.8E-02		4.2E-01	9.6E-15	7.8E-02		1.4E+11	4.2E-01
VOC	Xylenes (total)	1330-20-7	N	1.0E+00		4.2E-08									1.5E-03				9.6E-15				
SVOC	t-Amyl methyl ether	994-05-8	N	1.0E+00		4.2E-08													9.6E-15				
SVOC	Hexachlorobutadiene	87-68-3	N	1.0E+00		4.2E-08	7.8E-02		3.0E+02	1.00E-01	1.73E-08	7.8E-02		7.4E+02	1.2E-04	2.2E-02		4.2E+01	9.6E-15	2.2E-02		5.0E+11	3.5E+01
SVOC	Naphthalene	91-20-3	N	1.0E+00		4.2E-08	1.2E-01		2.0E+02	1.30E-01	2.25E-08	1.2E-01		3.7E+02	1.5E-04	3.4E-02		2.1E+01	9.6E-15	3.4E-02		3.2E+11	1.8E+01
PEST	Chlordane (total)	57-74-9	N	1.0E+00		4.2E-08	3.5E-01		6.8E+01	4.00E-02	6.91E-09	3.5E-01		4.1E+02	2.7E-06	1.0E-01		3.9E+02	9.6E-15	1.0E-01		1.1E+11	5.1E+01
PEST	4,4'-DDE	72-55-9	N	1.0E+00		4.2E-08	3.4E-01		7.0E+01	3.00E-02	5.19E-09	3.4E-01		5.7E+02	3.4E-07	9.7E-02		3.3E+03	9.6E-15	9.7E-02		1.1E+11	6.1E+01
PEST	4,4'-DDT	50-29-3	N	1.0E+00		4.2E-08	3.4E-01		7.0E+01	3.00E-02	5.19E-09	3.4E-01		5.7E+02	2.8E-07	9.7E-02		4.0E+03	9.6E-15	9.7E-02		1.1E+11	6.1E+01
PEST	Dieldrin	60-57-1	N	1.0E+00		4.2E-08	1.6E+01		1.5E+00	1.00E-01	1.73E-08	1.6E+01		3.6E+00	3.8E-06	4.6E+00		6.0E+00	9.6E-15	4.6E+00		2.4E+09	8.9E-01
PEST	Toxaphene	8001-35-2	N	1.0E+00		4.2E-08	1.2E+00		2.0E+01	1.00E-01	1.73E-08	1.2E+00		4.8E+01	7.5E-07	3.2E-01		4.5E+02	9.6E-15	3.2E-01		3.5E+10	1.4E+01
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	N	1.0E+00		4.2E-08									3.1E-03				9.6E-15				
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	N	1.0E+00		4.2E-08									3.1E-03				9.6E-15				
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	N	1.0E+00		4.2E-08									3.3E-03				9.6E-15				
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	N	1.0E+00		4.2E-08									3.3E-03				9.6E-15				
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	N	1.0E+00		4.2E-08													9.6E-15				
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	N	1.0E+00		4.2E-08													9.6E-15				
PCB	Aroclor-1254	11097-69-1	N	1.0E+00		4.2E-08	2.0E+00		1.2E+01	1.40E-01	2.42E-08	2.0E+00		2.1E+01	6.4E-06	5.7E-01		2.9E+01	9.6E-15	5.7E-01		1.9E+10	6.0E+00
PCB	Aroclor-1260	11096-82-5	N	1.0E+00		4.2E-08	2.0E+00		1.2E+01	1.40E-01	2.42E-08	2.0E+00		2.1E+01	9.1E-06	5.7E-01		2.0E+01	9.6E-15	5.7E-01		1.9E+10	5.5E+00
PCB	Aroclor-1268	11100-14-4	N	1.0E+00		4.2E-08	2.0E+00		1.2E+01	1.40E-01	2.42E-08	2.0E+00		2.1E+01		5.7E-01			9.6E-15	5.7E-01		1.9E+10	7.5E+00
INORG	Arsenic	7440-38-2	N	1.0E+00	0.6	4.2E-08	3.2E+01		1.2E+00	3.00E-02	5.19E-09	3.2E+01		6.0E+00		4.3E+00			9.6E-15	4.3E+00		2.6E+09	1.0E+00
INORG	Barium	7440-39-3	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Beryllium	7440-41-7	N	1.0E+00		4.2E-08										2.4E+00			9.6E-15	2.4E+00		4.6E+09	4.6E+09
INORG	Cadmium	7440-43-9	N	1.0E+00		4.2E-08				1.00E-03	1.73E-10					4.2E+00			9.6E-15	4.2E+00		2.6E+09	2.6E+09
INORG	Chromium (total)	7440-47-3	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Cobalt	7440-48-4	N	1.0E+00		4.2E-08										9.0E+00			9.6E-15	9.0E+00		1.2E+09	1.2E+09
INORG	Copper	7440-50-8	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Lead	7439-92-1	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Molybdenum	7439-98-7	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Nickel	7440-02-0	N	1.0E+00		4.2E-08										2.6E-01			9.6E-15	2.6E-01		4.2E+10	4.2E+10
INORG	Thallium	7440-28-0	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Vanadium	7440-62-2	N	1.0E+00		4.2E-08													9.6E-15				
INORG	Zinc	7440-66-6	N	1.0E+00		4.2E-08													9.6E-15				
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	N	1.0E+00		4.2E-08	1.3E+05		1.8E-04	3.00E-02	5.19E-09	1.3E+05		1.5E-03	1.3E-06	3.8E+04		2.1E-03	9.6E-15	3.8E+04		2.9E+05	1.5E-04

Notes:
f_{oral} and f_{inh} are the fraction of the oral and inhalation toxicity values, respectively, that USEPA identified as having a mutagenic mode of action.
Cancer RBSLs are calculated at a target cancer risk of 1E-06.

Attachment E-2
Table 5b
Noncancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		7.4E-07	9.0E-01	1.2E+06			9.0E-01		3.7E-04	3.1E+01	5.1E+05	9.6E-15	3.1E+01	2.0E+16	3.6E+05
VOC	Benzene	71-43-2	1.0E+00		7.4E-07	1.0E-02	1.4E+04			1.0E-02		2.2E-03	9.0E-02	2.5E+02	9.6E-15	9.0E-02	5.7E+13	2.4E+02
VOC	Benzyl chloride	100-44-7	1.0E+00		7.4E-07	2.0E-03	2.7E+03			2.0E-03		6.9E-04	4.0E-03	3.5E+01	9.6E-15	4.0E-03	2.5E+12	3.5E+01
VOC	Bromobenzene	108-86-1	1.0E+00		7.4E-07	2.0E-02	2.7E+04			2.0E-02		8.1E-04	2.0E-01	1.5E+03	9.6E-15	2.0E-01	1.3E+14	1.4E+03
VOC	Bromochloromethane	74-97-5	1.0E+00		7.4E-07							1.6E-03	1.0E-01	3.9E+02	9.6E-15	1.0E-01	6.3E+13	3.9E+02
VOC	Bromodichloromethane	75-27-4	1.0E+00		7.4E-07	8.0E-03	1.1E+04			8.0E-03		8.0E-04	3.2E-02	2.4E+02	9.6E-15	3.2E-02	2.0E+13	2.4E+02
VOC	Bromoform	75-25-2	1.0E+00		7.4E-07	3.0E-02	4.1E+04			3.0E-02		2.9E-04	8.0E-02	1.7E+03	9.6E-15	8.0E-02	5.0E+13	1.6E+03
VOC	Bromomethane	74-83-9	1.0E+00		7.4E-07	5.0E-03	6.8E+03			5.0E-03		2.5E-03	1.0E-01	2.5E+02	9.6E-15	1.0E-01	6.3E+13	2.4E+02
VOC	2-Butanone	78-93-3	1.0E+00		7.4E-07	2.0E+00	2.7E+06			2.0E+00		3.9E-04	5.0E+00	7.7E+04	9.6E-15	5.0E+00	3.2E+15	7.5E+04
VOC	Butylbenzene	104-51-8	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		6.5E-04	2.0E-01	1.9E+03	9.6E-15	2.0E-01	1.3E+14	1.8E+03
VOC	sec-Butylbenzene	135-98-8	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		4.6E-04	4.0E-01	5.3E+03	9.6E-15	4.0E-01	2.5E+14	5.1E+03
VOC	tert-Butylbenzene	98-06-6	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		6.8E-04	4.0E-01	3.6E+03	9.6E-15	4.0E-01	2.5E+14	3.5E+03
VOC	Carbon Disulfide	75-15-0	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		3.2E-03	7.0E-01	1.3E+03	9.6E-15	7.0E-01	4.4E+14	1.3E+03
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		7.4E-07	1.0E-02	1.4E+04			1.0E-02		2.7E-03	1.9E-01	4.2E+02	9.6E-15	1.9E-01	1.2E+14	4.1E+02
VOC	Chlorobenzene	108-90-7	1.0E+00		7.4E-07	7.0E-02	9.5E+04			7.0E-02		1.2E-03	5.0E-01	2.5E+03	9.6E-15	5.0E-01	3.2E+14	2.4E+03
VOC	Chloroethane	75-00-3	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		3.5E-03	4.0E+00	6.9E+03	9.6E-15	4.0E+00	2.5E+15	6.6E+03
VOC	Chloroform	67-66-3	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		2.2E-03	5.0E-02	1.4E+02	9.6E-15	5.0E-02	3.2E+13	1.4E+02
VOC	Chloromethane	74-87-3	1.0E+00		7.4E-07							2.9E-03	6.2E-01	1.3E+03	9.6E-15	6.2E-01	3.9E+14	1.3E+03
VOC	2-Chlorotoluene	95-49-8	1.0E+00		7.4E-07	2.0E-02	2.7E+04			2.0E-02		8.1E-04	8.0E-02	6.0E+02	9.6E-15	8.0E-02	5.0E+13	5.9E+02
VOC	4-Chlorotoluene	106-43-4	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		8.3E-04	8.0E-02	5.8E+02	9.6E-15	8.0E-02	5.0E+13	5.8E+02
VOC	Cumene	98-82-8	1.0E+00		7.4E-07	4.0E-01	5.4E+05			4.0E-01		1.3E-03	4.0E-01	1.9E+03	9.6E-15	4.0E-01	2.5E+14	1.9E+03
VOC	p-Cymene	99-87-6	1.0E+00		7.4E-07							6.2E-04			9.6E-15			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		7.4E-07	2.0E-03	2.7E+03			2.0E-03		3.4E-04	2.0E-03	3.6E+01	9.6E-15	2.0E-03	1.3E+12	3.5E+01
VOC	Dibromochloromethane	124-48-1	1.0E+00		7.4E-07	7.0E-02	9.5E+04			7.0E-02		4.5E-04	8.0E-02	1.1E+03	9.6E-15	8.0E-02	5.0E+13	1.1E+03
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		7.4E-07	9.0E-03	1.2E+04			9.0E-03		8.4E-04	8.0E-04	5.8E+00	9.6E-15	8.0E-04	5.0E+11	5.8E+00
VOC	Dibromomethane	74-95-3	1.0E+00		7.4E-07	9.0E-03	1.2E+04			9.0E-03		1.3E-03	4.0E-03	1.9E+01	9.6E-15	4.0E-03	2.5E+12	1.9E+01
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		7.4E-07	6.0E-01	8.1E+05			6.0E-01		5.5E-04	2.0E+00	2.2E+04	9.6E-15	2.0E+00	1.3E+15	2.2E+04
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		7.4E-07	2.0E-02	2.7E+04			2.0E-02		8.4E-04			9.6E-15			2.7E+04
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		7.4E-07	7.0E-02	9.5E+04			7.0E-02		6.2E-04	2.5E+00	2.4E+04	9.6E-15	2.5E+00	1.6E+15	1.9E+04
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		3.4E-03	1.0E+00	1.8E+03	9.6E-15	1.0E+00	6.3E+14	1.8E+03
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		7.4E-07	2.0E+00	2.7E+06			2.0E+00		2.3E-03	5.0E+00	1.3E+04	9.6E-15	5.0E+00	3.2E+15	1.3E+04
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		7.4E-07	2.0E-02	2.7E+04			2.0E-02		1.4E-03	7.0E-02	3.0E+02	9.6E-15	7.0E-02	4.4E+13	2.9E+02
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		7.4E-07	5.0E-02	6.8E+04			5.0E-02		3.0E-03	2.0E-01	4.0E+02	9.6E-15	2.0E-01	1.3E+14	4.0E+02
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		7.4E-07	2.0E-02	2.7E+04			2.0E-02		2.0E-03	4.0E-02	1.2E+02	9.6E-15	4.0E-02	2.5E+13	1.2E+02
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		2.4E-03	4.0E-02	1.0E+02	9.6E-15	4.0E-02	2.5E+13	1.0E+02
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02		1.7E-03	1.3E-02	4.6E+01	9.6E-15	1.3E-02	8.2E+12	4.6E+01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		4.8E-05	8.0E-02	1.0E+04	9.6E-15	8.0E-02	5.0E+13	9.8E+03
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		7.4E-07							2.2E-03			9.6E-15			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		7.4E-07										9.6E-15			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02		2.7E-03	3.6E-02	8.3E+01	9.6E-15	3.6E-02	2.3E+13	8.3E+01
VOC	Diisopropyl ether	108-20-3	1.0E+00		7.4E-07							4.7E-04	7.0E-01	9.0E+03	9.6E-15	7.0E-01	4.4E+14	9.0E+03
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		7.4E-07								4.0E+01		9.6E-15	4.0E+01	2.5E+16	2.5E+16
VOC	Ethyl Benzene	100-41-4	1.0E+00		7.4E-07	5.0E-02	6.8E+04			5.0E-02		1.4E-03	9.0E+00	3.8E+04	9.6E-15	9.0E+00	5.7E+15	2.4E+04
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		7.4E-07										9.6E-15			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		7.4E-07							7.2E-04			9.6E-15			
VOC	Freon 114	76-14-2	1.0E+00		7.4E-07										9.6E-15			
VOC	2-Hexanone	591-78-6	1.0E+00		7.4E-07	5.0E-03	6.8E+03			5.0E-03		4.7E-04	3.0E-01	3.9E+03	9.6E-15	3.0E-01	1.9E+14	2.5E+03
VOC	Isobutane	75-28-5	1.0E+00		7.4E-07										9.6E-15			
VOC	Isopropanol	67-63-0	1.0E+00		7.4E-07	2.0E+00	2.7E+06			2.0E+00		1.6E-04	7.0E+00	2.6E+05	9.6E-15	7.0E+00	4.4E+15	2.4E+05
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		7.4E-07	4.0E-01	5.4E+05			4.0E-01		1.1E-03	3.6E+00	2.1E+04	9.6E-15	3.6E+00	2.3E+15	2.0E+04
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		7.4E-07							5.6E-04	3.0E+00	3.3E+04	9.6E-15	3.0E+00	1.9E+15	3.3E+04
VOC	Methylene Chloride	75-09-2	1.0E+00		7.4E-07	6.0E-02	8.1E+04			6.0E-02		2.0E-03	1.0E+00	3.1E+03	9.6E-15	1.0E+00	6.6E+14	3.0E+03
VOC	Propylbenzene	103-65-1	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		9.4E-04	1.0E+00	6.4E+03	9.6E-15	1.0E+00	6.3E+14	6.1E+03
VOC	Styrene	100-42-5	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		6.0E-04	3.0E+00	3.0E+04	9.6E-15	3.0E+00	1.9E+15	2.7E+04
VOC	tert Butyl alcohol	75-65-0	1.0E+00		7.4E-07	4.0E-01	5.4E+05			4.0E-01		2.2E-04	5.0E+00	1.4E+05	9.6E-15	5.0E+00	3.2E+15	1.1E+05

Attachment E-2
Table 5b
Noncancer-Based RBSLs for Exposure of High School Student (Age 14-18) to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		7.4E-07	9.0E-02	1.2E+05			9.0E-02		9.9E-04	1.2E-01	7.4E+02	9.6E-15	1.2E-01	7.6E+13	7.4E+02
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		7.4E-07	5.0E-02	6.8E+04			5.0E-02		5.0E-04	8.0E-02	9.7E+02	9.6E-15	8.0E-02	5.0E+13	9.5E+02
VOC	Tetrachloroethene	127-18-4	1.0E+00		7.4E-07	8.0E-03	1.1E+04			8.0E-03		2.4E-03	4.1E-02	1.0E+02	9.6E-15	4.1E-02	2.6E+13	1.0E+02
VOC	Toluene	108-88-3	1.0E+00		7.4E-07	8.0E-01	1.1E+06			8.0E-01		1.8E-03	5.0E+00	1.7E+04	9.6E-15	5.0E+00	3.2E+15	1.6E+04
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		7.4E-07	8.0E-03	1.1E+04			8.0E-03		1.5E-04	3.2E-03	1.3E+02	9.6E-15	3.2E-03	2.0E+12	1.3E+02
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		7.4E-07	9.0E-02	1.2E+05			9.0E-02		1.9E-04	2.0E-02	6.4E+02	9.6E-15	2.0E-02	1.3E+13	6.4E+02
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		7.4E-07	7.0E+00	9.5E+06			7.0E+00		2.6E-03	5.0E+00	1.2E+04	9.6E-15	5.0E+00	3.2E+15	1.2E+04
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		7.4E-07	4.0E-03	5.4E+03			4.0E-03		1.0E-03	1.1E-02	6.6E+01	9.6E-15	1.1E-02	6.9E+12	6.5E+01
VOC	Trichloroethene	79-01-6	1.0E+00		7.4E-07	5.0E-04	6.8E+02			5.0E-04		2.1E-03	2.1E-03	6.3E+00	9.6E-15	2.1E-03	1.4E+12	6.2E+00
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		7.4E-07	7.0E-01	9.5E+05			7.0E-01		3.3E-03	1.2E+00	2.2E+03	9.6E-15	1.2E+00	7.6E+14	2.2E+03
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		7.4E-07	3.0E-02	4.1E+04			3.0E-02		7.1E-04	3.0E-04	2.6E+00	9.6E-15	3.0E-04	1.9E+11	2.6E+00
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		7.4E-07	3.0E+01	4.1E+07			3.0E+01		3.3E-03	5.0E+01	9.3E+04	9.6E-15	5.0E+01	3.2E+16	9.2E+04
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02		7.7E-04	2.0E-01	1.6E+03	9.6E-15	2.0E-01	1.3E+14	1.5E+03
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02		5.5E-04	2.0E-01	2.2E+03	9.6E-15	2.0E-01	1.3E+14	2.1E+03
VOC	Vinyl Acetate	108-05-4	1.0E+00		7.4E-07	1.0E+00	1.4E+06			1.0E+00		1.0E-03	2.5E+00	1.4E+04	9.6E-15	2.5E+00	1.6E+15	1.4E+04
VOC	Vinyl Chloride	75-01-4	1.0E+00		7.4E-07	3.0E-03	4.1E+03			3.0E-03		3.2E-03	5.1E-02	9.6E+01	9.6E-15	5.1E-02	3.2E+13	9.4E+01
VOC	Xylenes (total)	1330-20-7	1.0E+00		7.4E-07	2.0E-01	2.7E+05			2.0E-01		1.5E-03	3.0E-01	1.2E+03	9.6E-15	3.0E-01	1.9E+14	1.2E+03
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		7.4E-07										9.6E-15			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		7.4E-07	1.0E-03	1.4E+03	1.0E-01	3.0E-07	1.0E-03	3.3E+03	1.2E-04	4.0E-03	2.1E+02	9.6E-15	4.0E-03	2.5E+12	1.7E+02
SVOC	Naphthalene	91-20-3	1.0E+00		7.4E-07	2.0E-01	2.7E+05	1.3E-01	3.9E-07	2.0E-01	5.1E+05	1.5E-04	3.0E-03	1.2E+02	9.6E-15	3.0E-03	1.9E+12	1.2E+02
PEST	Chlordane (total)	57-74-9	1.0E+00		7.4E-07	6.0E-04	8.1E+02	4.0E-02	1.2E-07	6.0E-04	5.0E+03	2.7E-06	7.0E-04	1.6E+03	9.6E-15	7.0E-04	4.4E+11	4.8E+02
PEST	4,4'-DDE	72-55-9	1.0E+00		7.4E-07	5.0E-04	6.8E+02	3.0E-02	9.1E-08	5.0E-04	5.5E+03	3.4E-07	2.0E-03	3.6E+04	9.6E-15	2.0E-03	1.3E+12	5.9E+02
PEST	4,4'-DDT	50-29-3	1.0E+00		7.4E-07	5.0E-04	6.8E+02	3.0E-02	9.1E-08	5.0E-04	5.5E+03	2.8E-07			9.6E-15			6.0E+02
PEST	Dieldrin	60-57-1	1.0E+00		7.4E-07	1.0E-04	1.4E+02	1.0E-01	3.0E-07	1.0E-04	3.3E+02	3.8E-06	2.0E-04	3.2E+02	9.6E-15	2.0E-04	1.3E+11	7.4E+01
PEST	Toxaphene	8001-35-2	1.0E+00		7.4E-07	3.0E-04	4.1E+02	1.0E-01	3.0E-07	3.0E-04	9.9E+02	7.5E-07			9.6E-15			2.9E+02
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		7.4E-07	1.0E-01	1.4E+05			1.0E-01		3.1E-03	2.0E-01	3.9E+02	9.6E-15	2.0E-01	1.3E+14	3.9E+02
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		7.4E-07	4.0E-03	5.4E+03			4.0E-03		3.1E-03	5.0E-02	9.7E+01	9.6E-15	5.0E-02	3.2E+13	9.5E+01
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02		3.3E-03	7.0E-01	1.3E+03	9.6E-15	7.0E-01	4.4E+14	1.2E+03
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		7.4E-07							3.3E-03			9.6E-15			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		7.4E-07	2.0E+00	2.7E+06			2.0E+00					9.6E-15			2.7E+06
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		7.4E-07	3.0E-02	4.1E+04			3.0E-02					9.6E-15			4.1E+04
PCB	Aroclor-1254	11097-69-1	1.0E+00		7.4E-07	5.0E-05	6.8E+01	1.4E-01	4.2E-07	5.0E-05	1.2E+02	6.4E-06	8.0E-05	7.6E+01	9.6E-15	8.0E-05	5.0E+10	2.7E+01
PCB	Aroclor-1260	11096-82-5	1.0E+00		7.4E-07	5.0E-05	6.8E+01	1.4E-01	4.2E-07	5.0E-05	1.2E+02	9.1E-06	8.0E-05	5.3E+01	9.6E-15	8.0E-05	5.0E+10	2.4E+01
PCB	Aroclor-1268	11100-14-4	1.0E+00		7.4E-07	5.0E-05	6.8E+01	1.4E-01	4.2E-07	5.0E-05	1.2E+02		8.0E-05		9.6E-15	8.0E-05	5.0E+10	4.3E+01
INORG	Arsenic	7440-38-2	1.0E+00	0.6	7.4E-07	5.0E-03	1.1E+04	3.0E-02	9.1E-08	5.0E-03	5.5E+04		1.5E-05		9.6E-15	1.5E-05	9.5E+09	9.3E+03
INORG	Barium	7440-39-3	1.0E+00		7.4E-07	2.0E-01	2.7E+05			1.4E-02			5.0E-04		9.6E-15	5.0E-04	3.2E+11	2.7E+05
INORG	Beryllium	7440-41-7	1.0E+00		7.4E-07	2.0E-04	2.7E+02			1.4E-06			7.0E-06		9.6E-15	7.0E-06	4.4E+09	2.7E+02
INORG	Cadmium	7440-43-9	1.0E+00		7.4E-07	5.0E-04	6.8E+02	1.0E-03	3.0E-09	1.3E-05	4.1E+03		9.0E-04		9.6E-15	9.0E-04	5.7E+11	5.8E+02
INORG	Chromium (total)	7440-47-3	1.0E+00		7.4E-07	1.5E+00	2.0E+06			2.0E-02			5.0E-03		9.6E-15	5.0E-03	3.2E+12	2.0E+06
INORG	Cobalt	7440-48-4	1.0E+00		7.4E-07	3.0E-03	4.1E+03			3.0E-03			2.0E-05		9.6E-15	2.0E-05	1.3E+10	4.1E+03
INORG	Copper	7440-50-8	1.0E+00		7.4E-07	4.0E-02	5.4E+04			4.0E-02					9.6E-15			5.4E+04
INORG	Lead	7439-92-1	1.0E+00		7.4E-07										9.6E-15			
INORG	Molybdenum	7439-98-7	1.0E+00		7.4E-07	6.0E-02	8.1E+04			6.0E-02			2.0E-03		9.6E-15	2.0E-03	1.3E+12	8.1E+04
INORG	Nickel	7440-02-0	1.0E+00		7.4E-07	2.0E-02	2.7E+04			8.0E-04			1.4E-05		9.6E-15	1.4E-05	8.8E+09	2.7E+04
INORG	Thallium	7440-28-0	1.0E+00		7.4E-07	1.0E-05	1.4E+01			1.0E-05					9.6E-15			1.4E+01
INORG	Vanadium	7440-62-2	1.0E+00		7.4E-07	1.0E-02	1.4E+04			2.6E-04			1.0E-04		9.6E-15	1.0E-04	6.3E+10	1.4E+04
INORG	Zinc	7440-66-6	1.0E+00		7.4E-07	3.0E-01	4.1E+05			3.0E-01					9.6E-15			4.1E+05
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		7.4E-07	7.0E-10	9.5E-04	3.0E-02	9.1E-08	7.0E-10	7.7E-03	1.3E-06	4.0E-08	1.8E-01	9.6E-15	4.0E-08	2.5E+07	8.4E-04

Note:
Noncancer RBSLs are calculated at a target HQ of 1.

Attachment E-2
Table 6
Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building
High School Student (Age 14-18)
Centennial High School, 2606 North Central Avenue, Compton, CA

						Cancer			Noncancer	
Chem Group	**Chemical**	**CASRN**	**ADAF**	**C_{SSG}** (mg/m^3)	**C_{air}** (mg/m^3)	**URF** $(mg/m^3)^{-1}$	**f_{inh}**	**RBSL** (mg/m^3)	**RfC** (mg/m^3)	**RBSL** (mg/m^3)
VOC	Acetone	67-64-1	N	1.0E+00	3.0E-02				3.1E+01	6.3E+03
VOC	Benzene	71-43-2	N	1.0E+00	3.0E-02	2.9E-02		1.2E-01	9.0E-02	1.8E+01
VOC	Benzyl chloride	100-44-7	N	1.0E+00	3.0E-02	4.9E-02		7.2E-02	4.0E-03	8.1E-01
VOC	Bromobenzene	108-86-1	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
VOC	Bromochloromethane	74-97-5	N	1.0E+00	3.0E-02				1.0E-01	2.0E+01
VOC	Bromodichloromethane	75-27-4	N	1.0E+00	3.0E-02	3.7E-02		9.6E-02	3.2E-02	6.5E+00
VOC	Bromoform	75-25-2	N	1.0E+00	3.0E-02	1.1E-03		3.2E+00	8.0E-02	1.6E+01
VOC	Bromomethane	74-83-9	N	1.0E+00	3.0E-02				1.0E-01	2.0E+01
VOC	2-Butanone	78-93-3	N	1.0E+00	3.0E-02				5.0E+00	1.0E+03
VOC	Butylbenzene	104-51-8	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
VOC	sec-Butylbenzene	135-98-8	N	1.0E+00	3.0E-02				4.0E-01	8.1E+01
VOC	tert-Butylbenzene	98-06-6	N	1.0E+00	3.0E-02				4.0E-01	8.1E+01
VOC	Carbon Disulfide	75-15-0	N	1.0E+00	3.0E-02				7.0E-01	1.4E+02
VOC	Carbon Tetrachloride	56-23-5	N	1.0E+00	3.0E-02	6.0E-03		5.9E-01	1.9E-01	3.8E+01
VOC	Chlorobenzene	108-90-7	N	1.0E+00	3.0E-02				5.0E-01	1.0E+02
VOC	Chloroethane	75-00-3	N	1.0E+00	3.0E-02				4.0E+00	8.1E+02
VOC	Chloroform	67-66-3	N	1.0E+00	3.0E-02	2.3E-02		1.5E-01	5.0E-02	1.0E+01
VOC	Chloromethane	74-87-3	N	1.0E+00	3.0E-02				6.2E-01	1.3E+02
VOC	2-Chlorotoluene	95-49-8	N	1.0E+00	3.0E-02				8.0E-02	1.6E+01
VOC	4-Chlorotoluene	106-43-4	N	1.0E+00	3.0E-02				8.0E-02	1.6E+01
VOC	Cumene	98-82-8	N	1.0E+00	3.0E-02				4.0E-01	8.1E+01
VOC	p-Cymene	99-87-6	N	1.0E+00	3.0E-02					
VOC	1,2-Dibromo-3-chloropropane	96-12-8	Y	1.0E+00	3.0E-02	6.0E+00	1	3.0E-04	2.0E-03	4.1E-01
VOC	Dibromochloromethane	124-48-1	N	1.0E+00	3.0E-02	2.1E-02		1.7E-01	8.0E-02	1.6E+01
VOC	1,2-Dibromoethane	106-93-4	N	1.0E+00	3.0E-02	6.0E-01		5.9E-03	8.0E-04	1.6E-01
VOC	Dibromomethane	74-95-3	N	1.0E+00	3.0E-02				4.0E-03	8.1E-01
VOC	1,2-Dichlorobenzene	95-50-1	N	1.0E+00	3.0E-02				2.0E+00	4.1E+02
VOC	1,3-Dichlorobenzene	541-73-1	N	1.0E+00	3.0E-02					
VOC	1,4-Dichlorobenzene	106-46-7	N	1.0E+00	3.0E-02	1.1E-02		3.2E-01	2.5E+00	5.1E+02
VOC	Dichlorodifluoromethane	75-71-8	N	1.0E+00	3.0E-02				1.0E+00	2.0E+02
VOC	1,1-Dichloroethane	75-34-3	N	1.0E+00	3.0E-02	1.6E-03		2.2E+00	5.0E+00	1.0E+03
VOC	1,2-Dichloroethane	107-06-2	N	1.0E+00	3.0E-02	2.6E-02		1.4E-01	7.0E-02	1.4E+01
VOC	1,1-Dichloroethene	75-35-4	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
VOC	cis-1,2-Dichloroethene	156-59-2	N	1.0E+00	3.0E-02				4.0E-02	8.1E+00
VOC	trans-1,2-Dichloroethene	156-60-5	N	1.0E+00	3.0E-02				4.0E-02	8.1E+00
VOC	1,2-Dichloropropane	78-87-5	N	1.0E+00	3.0E-02	3.7E-03		9.6E-01	1.3E-02	2.6E+00
VOC	1,3-Dichloropropane	142-28-9	N	1.0E+00	3.0E-02				8.0E-02	1.6E+01
VOC	2,2-Dichloropropane	594-20-7	N	1.0E+00	3.0E-02					
VOC	1,1-Dichloropropene	563-58-6	N	1.0E+00	3.0E-02					
VOC	1,3-Dichloropropene (total)	542-75-6	N	1.0E+00	3.0E-02	4.0E-03		8.9E-01	3.6E-02	7.4E+00
VOC	Diisopropyl ether	108-20-3	N	1.0E+00	3.0E-02				7.0E-01	1.4E+02
VOC	1,1-Difluoroethane	75-37-6	N	1.0E+00	3.0E-02				4.0E+01	8.1E+03
VOC	Ethyl Benzene	100-41-4	N	1.0E+00	3.0E-02	2.5E-03		1.4E+00	9.0E+00	1.8E+03
VOC	Ethyl tert-butyl ether	637-92-3	N	1.0E+00	3.0E-02					
VOC	4-Ethyltoluene	622-96-8	N	1.0E+00	3.0E-02					
VOC	Freon 114	76-14-2	N	1.0E+00	3.0E-02					
VOC	2-Hexanone	591-78-6	N	1.0E+00	3.0E-02				3.0E-01	6.1E+01
VOC	Isobutane	75-28-5	N	1.0E+00	3.0E-02					
VOC	Isopropanol	67-63-0	N	1.0E+00	3.0E-02				7.0E+00	1.4E+03
VOC	Methyl tert-butyl ether	1634-04-4	N	1.0E+00	3.0E-02	2.6E-04		1.4E+01	3.6E+00	7.3E+02
VOC	4-Methyl-2-pentanone	108-10-1	N	1.0E+00	3.0E-02				3.0E+00	6.1E+02
VOC	Methylene Chloride	75-09-2	Y	1.0E+00	3.0E-02	1.0E-03	1	1.8E+00	1.0E+00	2.1E+02
VOC	Propylbenzene	103-65-1	N	1.0E+00	3.0E-02				1.0E+00	2.0E+02
VOC	Styrene	100-42-5	N	1.0E+00	3.0E-02				3.0E+00	6.1E+02
VOC	tert Butyl alcohol	75-65-0	N	1.0E+00	3.0E-02				5.0E+00	1.0E+03
VOC	1,1,1,2-Tetrachloroethane	630-20-6	N	1.0E+00	3.0E-02	7.4E-03		4.8E-01	1.2E-01	2.4E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	N	1.0E+00	3.0E-02	5.8E-02		6.1E-02	8.0E-02	1.6E+01
VOC	Tetrachloroethene	127-18-4	N	1.0E+00	3.0E-02	6.1E-03		5.8E-01	4.1E-02	8.2E+00
VOC	Toluene	108-88-3	N	1.0E+00	3.0E-02				5.0E+00	1.0E+03
VOC	1,2,3-Trichlorobenzene	87-61-6	N	1.0E+00	3.0E-02				3.2E-03	6.5E-01
VOC	1,2,4-Trichlorobenzene	120-82-1	N	1.0E+00	3.0E-02	7.3E-03		4.9E-01	2.0E-02	4.1E+00
VOC	1,1,1-Trichloroethane	71-55-6	N	1.0E+00	3.0E-02				5.0E+00	1.0E+03
VOC	1,1,2-Trichloroethane	79-00-5	N	1.0E+00	3.0E-02	1.6E-02		2.2E-01	1.1E-02	2.2E+00
VOC	Trichloroethene	79-01-6	Y	1.0E+00	3.0E-02	4.1E-03	0.244	7.0E-01	2.1E-03	4.4E-01
VOC	Trichlorofluoromethane	75-69-4	N	1.0E+00	3.0E-02				1.2E+00	2.4E+02
VOC	1,2,3-Trichloropropane	96-18-4	Y	1.0E+00	3.0E-02	7.5E+00	1	2.4E-04	3.0E-04	6.1E-02
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N	1.0E+00	3.0E-02				5.0E+01	1.0E+04
VOC	1,2,4-Trimethylbenzene	95-63-6	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
VOC	1,3,5-Trimethylbenzene	108-67-8	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
VOC	Vinyl Acetate	108-05-4	N	1.0E+00	3.0E-02				2.5E+00	5.0E+02
VOC	Vinyl Chloride	75-01-4	N	1.0E+00	3.0E-02	7.8E-02		4.5E-02	5.1E-02	1.0E+01
VOC	Xylenes (total)	1330-20-7	N	1.0E+00	3.0E-02				3.0E-01	6.1E+01
SVOC	t-Amyl methyl ether	994-05-8	N	1.0E+00	3.0E-02					
SVOC	Hexachlorobutadiene	87-68-3	N	1.0E+00	3.0E-02	2.2E-02		1.6E-01	4.0E-03	8.1E-01
SVOC	Naphthalene	91-20-3	N	1.0E+00	3.0E-02	3.4E-02		1.0E-01	3.0E-03	6.1E-01
PEST	Chlordane (total)	57-74-9	N	1.0E+00	3.0E-02	1.0E-01		3.5E-02	7.0E-04	1.4E-01
PEST	4,4'-DDE	72-55-9	N	1.0E+00	3.0E-02	9.7E-02		3.7E-02	2.0E-03	4.1E-01
PEST	4,4'-DDT	50-29-3	N	1.0E+00	3.0E-02	9.7E-02		3.7E-02		
PEST	Dieldrin	60-57-1	N	1.0E+00	3.0E-02	4.6E+00		7.7E-04	2.0E-04	4.1E-02
PEST	Toxaphene	8001-35-2	N	1.0E+00	3.0E-02	3.2E-01		1.1E-02		
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	N	1.0E+00	3.0E-02				2.0E-01	4.1E+01
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	N	1.0E+00	3.0E-02				5.0E-02	1.0E+01
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	N	1.0E+00	3.0E-02				7.0E-01	1.4E+02
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	N	1.0E+00	3.0E-02					
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	N	1.0E+00	3.0E-02					
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	N	1.0E+00	3.0E-02					
PCB	Aroclor-1254	11097-69-1	N	1.0E+00	3.0E-02	5.7E-01		6.2E-03	8.0E-05	1.6E-02

Attachment E-2
Table 6
Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building
High School Student (Age 14-18)
Centennial High School, 2606 North Central Avenue, Compton, CA

						Cancer			Noncancer	
Chem Group	**Chemical**	**CASRN**	**ADAF**	**C_{SSG} (mg/m^3)**	**C_{air} (mg/m^3)**	**URF $(mg/m^3)^{-1}$**	**f_{inh}**	**RBSL (mg/m^3)**	**RfC (mg/m^3)**	**RBSL (mg/m^3)**
PCB	Aroclor-1260	11096-82-5	N	1.0E+00	3.0E-02	5.7E-01		6.2E-03	8.0E-05	1.6E-02
PCB	Aroclor-1268	11100-14-4	N	1.0E+00	3.0E-02	5.7E-01		6.2E-03	8.0E-05	1.6E-02
INORG	Arsenic	7440-38-2	N	1.0E+00	3.0E-02	4.3E+00		8.3E-04	1.5E-05	3.0E-03
INORG	Barium	7440-39-3	N	1.0E+00	3.0E-02				5.0E-04	1.0E-01
INORG	Beryllium	7440-41-7	N	1.0E+00	3.0E-02	2.4E+00		1.5E-03	7.0E-06	1.4E-03
INORG	Cadmium	7440-43-9	N	1.0E+00	3.0E-02	4.2E+00		8.4E-04	9.0E-04	1.8E-01
INORG	Chromium (total)	7440-47-3	N	1.0E+00	3.0E-02				5.0E-03	1.0E+00
INORG	Cobalt	7440-48-4	N	1.0E+00	3.0E-02	9.0E+00		3.9E-04	2.0E-05	4.1E-03
INORG	Copper	7440-50-8	N	1.0E+00	3.0E-02					
INORG	Lead	7439-92-1	N	1.0E+00	3.0E-02					
INORG	Molybdenum	7439-98-7	N	1.0E+00	3.0E-02				2.0E-03	4.1E-01
INORG	Nickel	7440-02-0	N	1.0E+00	3.0E-02	2.6E-01		1.4E-02	1.4E-05	2.8E-03
INORG	Thallium	7440-28-0	N	1.0E+00	3.0E-02					
INORG	Vanadium	7440-62-2	N	1.0E+00	3.0E-02				1.0E-04	2.0E-02
INORG	Zinc	7440-66-6	N	1.0E+00	3.0E-02					
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	N	1.0E+00	3.0E-02	3.8E+04		9.3E-08	4.0E-08	8.1E-06

Notes:
f_{inh} is the fraction of the inhalation toxicity value that USEPA identified as having a mutagenic mode of action.
Cancer RBSLs are calculated at a target cancer risk of 1E-06.
Noncancer RBSLs are calculated at a target HQ of 1.

Attachment 3

School Worker Risk Based Screening Level Calculations

Table 1 – Normalized Average Vapor Flux from Soil to Outdoor Air

Table 2 – Soil PM_{10} Emission from Wind Erosion

Table 3 – Dispersion Factor to Outdoor Air

Table 4 – Concentrations in Outdoor Air from Soil

Table 5a – Cancer-Based RBSLs for Exposure of School Worker to Soil

Table 5b – Noncancer-Based RBSLs for Exposure of Routine Workers to Soil

Table 6 – Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building

Attachment E-3
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
VOC	Acetone	67-64-1	5.81E-01		1.53E-03	1.07E+00	9.85E-05	6.90E-02	1.42E-06	6.18E-04	5.06E-06
VOC	Benzene	71-43-2	5.82E+01		2.19E-01	7.60E-01	8.47E-05	4.90E-02	1.22E-06	2.66E-02	1.87E-05
VOC	Benzyl chloride	100-44-7	7.94E+01		2.14E-02	6.48E-01	6.74E-05	4.17E-02	9.70E-07	2.16E-03	9.29E-06
VOC	Bromobenzene	108-86-1	2.79E+02		1.04E-01	4.64E-01	8.04E-05	2.99E-02	1.16E-06	3.02E-03	1.07E-05
VOC	Bromochloromethane	74-97-5	1.57E+01		7.05E-02	5.94E-01	8.64E-05	3.83E-02	1.24E-06	1.14E-02	1.62E-05
VOC	Bromodichloromethane	75-27-4	5.51E+01		6.27E-02	2.57E-01	9.16E-05	1.66E-02	1.32E-06	2.96E-03	1.06E-05
VOC	Bromoform	75-25-2	8.70E+01		2.07E-02	1.29E-01	8.90E-05	8.29E-03	1.28E-06	3.96E-04	4.06E-06
VOC	Bromomethane	74-83-9	1.05E+01		2.49E-01	6.29E-01	1.05E-04	4.05E-02	1.50E-06	3.75E-02	1.96E-05
VOC	2-Butanone	78-93-3	2.00E+00		2.78E-03	6.98E-01	8.47E-05	4.50E-02	1.22E-06	7.10E-04	5.43E-06
VOC	Butylbenzene	104-51-8	2.54E+03		4.80E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	1.94E-03	8.84E-06
VOC	sec-Butylbenzene	135-98-8	2.73E+03		2.55E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	9.67E-04	6.33E-06
VOC	tert-Butylbenzene	98-06-6	2.15E+03		4.55E-01	4.88E-01	6.93E-05	3.14E-02	9.97E-07	2.13E-03	9.23E-06
VOC	Carbon Disulfide	75-15-0	4.59E+01		1.20E+00	8.99E-01	8.64E-05	5.79E-02	1.24E-06	1.10E-01	2.15E-05
VOC	Carbon Tetrachloride	56-23-5	1.74E+02		1.20E+00	6.74E-01	7.60E-05	4.34E-02	1.09E-06	5.16E-02	2.02E-05
VOC	Chlorobenzene	108-90-7	2.20E+02		1.44E-01	6.31E-01	7.52E-05	4.06E-02	1.08E-06	6.77E-03	1.42E-05
VOC	Chloroethane	75-00-3	1.62E+01		5.11E-01	2.34E+00	9.94E-05	1.51E-01	1.43E-06	2.16E-01	2.22E-05
VOC	Chloroform	67-66-3	3.97E+01		1.44E-01	8.99E-01	8.64E-05	5.79E-02	1.24E-06	2.55E-02	1.86E-05
VOC	Chloromethane	74-87-3	3.97E+01		3.95E-01	1.09E+00	5.62E-05	7.01E-02	8.08E-07	7.01E-02	2.08E-05
VOC	2-Chlorotoluene	95-49-8	6.12E+02		1.75E-01	5.43E-01	7.52E-05	3.50E-02	1.08E-06	2.99E-03	1.07E-05
VOC	4-Chlorotoluene	106-43-4	7.57E+02		2.28E-01	5.40E-01	7.47E-05	3.48E-02	1.08E-06	3.19E-03	1.09E-05
VOC	Cumene	98-82-8	7.05E+02		4.97E-01	5.62E-01	6.13E-05	3.62E-02	8.83E-07	7.48E-03	1.46E-05
VOC	p-Cymene	99-87-6	2.11E+03		3.76E-01	4.84E-01	6.33E-05	3.12E-02	9.11E-07	1.79E-03	8.51E-06
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.45E+02		7.19E-03	6.91E-01	6.91E-05	4.45E-02	9.95E-07	5.31E-04	4.70E-06
VOC	Dibromochloromethane	124-48-1	6.26E+01		3.10E-02	1.69E-01	9.07E-05	1.09E-02	1.31E-06	9.28E-04	6.20E-06
VOC	1,2-Dibromoethane	106-93-4	2.22E+01		3.30E-02	3.72E-01	7.29E-05	2.39E-02	1.05E-06	3.22E-03	1.10E-05
VOC	Dibromomethane	74-95-3	1.95E+01		4.25E-02	6.91E-01	6.91E-05	4.45E-02	9.95E-07	7.87E-03	1.48E-05
VOC	1,2-Dichlorobenzene	95-50-1	6.23E+02		7.32E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.37E-03	7.52E-06
VOC	1,3-Dichlorobenzene	541-73-1	5.69E+02		1.61E-01	5.98E-01	6.79E-05	3.85E-02	9.77E-07	3.25E-03	1.10E-05
VOC	1,4-Dichlorobenzene	106-46-7	6.12E+02		9.38E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.78E-03	8.51E-06
VOC	Dichlorodifluoromethane	75-71-8	6.15E+01		1.66E+01	6.91E-01	6.91E-05	4.45E-02	9.95E-07	1.54E-01	2.19E-05
VOC	1,1-Dichloroethane	75-34-3	3.13E+01		2.21E-01	6.41E-01	9.07E-05	4.13E-02	1.31E-06	2.83E-02	1.89E-05
VOC	1,2-Dichloroethane	107-06-2	1.75E+01		3.84E-02	8.99E-01	8.55E-05	5.79E-02	1.23E-06	9.52E-03	1.55E-05
VOC	1,1-Dichloroethene	75-35-4	5.82E+01		1.04E+00	7.78E-01	8.99E-05	5.01E-02	1.29E-06	8.34E-02	2.11E-05
VOC	cis-1,2-Dichloroethene	156-59-2	3.56E+01		1.60E-01	6.36E-01	9.76E-05	4.10E-02	1.40E-06	2.05E-02	1.80E-05
VOC	trans-1,2-Dichloroethene	156-60-5	5.22E+01		3.71E-01	6.11E-01	1.03E-04	3.94E-02	1.48E-06	3.43E-02	1.94E-05
VOC	1,2-Dichloropropane	78-87-5	4.35E+01		1.10E-01	6.76E-01	7.54E-05	4.35E-02	1.09E-06	1.45E-02	1.70E-05
VOC	1,3-Dichloropropane	142-28-9	4.59E+01		4.85E-05	6.40E-01	8.53E-05	4.12E-02	1.23E-06	1.05E-05	6.60E-07
VOC	2,2-Dichloropropane	594-20-7	3.85E+01		2.24E-01	6.22E-01	8.19E-05	4.01E-02	1.18E-06	2.60E-02	1.87E-05
VOC	1,1-Dichloropropene	563-58-6	1.21E+02		2.45E+00						
VOC	1,3-Dichloropropene (total)	542-75-6	4.59E+01		6.92E-01	5.41E-01	8.64E-05	3.48E-02	1.24E-06	4.89E-02	2.01E-05
VOC	Diisopropyl ether	108-20-3	1.52E+03		9.99E-02	7.55E-01	6.73E-05	4.86E-02	9.69E-07	1.03E-03	6.52E-06
VOC	1,1-Difluoroethane	75-37-6									
VOC	Ethyl Benzene	100-41-4	3.67E+02		3.06E-01	6.48E-01	6.74E-05	4.17E-02	9.70E-07	9.49E-03	1.55E-05
VOC	Ethyl tert-butyl ether	637-92-3									
VOC	4-Ethyltoluene	622-96-8	1.16E+03		2.45E-01	5.61E-01	6.77E-05	3.61E-02	9.75E-07	2.38E-03	9.70E-06
VOC	Freon 114	76-14-2			1.37E+02						
VOC	2-Hexanone	591-78-6	1.48E+01		4.52E-03	7.45E-01	7.57E-05	4.80E-02	1.09E-06	1.01E-03	6.46E-06
VOC	Isobutane	75-28-5									
VOC	Isopropanol	67-63-0	1.31E+00		3.76E-04	8.47E-01	6.65E-05	5.45E-02	9.56E-07	1.23E-04	2.26E-06
VOC	Methyl tert-butyl ether	1634-04-4	1.15E+01		2.31E-02	7.42E-01	8.73E-05	4.78E-02	1.26E-06	5.24E-03	1.31E-05
VOC	4-Methyl-2-pentanone	108-10-1	1.05E+01		6.96E-03	6.48E-01	6.74E-05	4.17E-02	9.70E-07	1.43E-03	7.66E-06
VOC	Methylene Chloride	75-09-2	1.17E+01		8.66E-02	8.73E-01	1.01E-04	5.62E-02	1.45E-06	2.13E-02	1.81E-05
VOC	Propylbenzene	103-65-1	9.83E+02		3.93E-01	5.19E-01	6.77E-05	3.35E-02	9.74E-07	4.10E-03	1.20E-05
VOC	Styrene	100-42-5	7.77E+02		1.07E-01	6.13E-01	6.91E-05	3.95E-02	9.95E-07	1.68E-03	8.28E-06
VOC	tert Butyl alcohol	75-65-0	2.27E+00		6.99E-04	8.51E-01	9.85E-05	5.48E-02	1.42E-06	2.23E-04	3.04E-06
VOC	1,1,1,2-Tetrachloroethane	630-20-6	3.06E+02		1.27E-01	6.13E-01	6.83E-05	3.95E-02	9.82E-07	4.48E-03	1.24E-05
VOC	1,1,2,2-Tetrachloroethane	79-34-5	9.35E+01		1.33E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	1.16E-03	6.94E-06
VOC	Tetrachloroethene	127-18-4	1.56E+02		7.17E-01	6.22E-01	7.08E-05	4.01E-02	1.02E-06	3.47E-02	1.94E-05
VOC	Toluene	108-88-3	1.80E+02		2.59E-01	7.52E-01	7.43E-05	4.84E-02	1.07E-06	1.61E-02	1.73E-05
VOC	1,2,3-Trichlorobenzene	87-61-6	3.97E+03		6.12E-02	3.30E-01	7.11E-05	2.13E-02	1.02E-06	1.08E-04	2.12E-06
VOC	1,2,4-Trichlorobenzene	120-82-1	1.79E+03		5.42E-02	2.59E-01	7.11E-05	1.67E-02	1.02E-06	1.64E-04	2.61E-06
VOC	1,1,1-Trichloroethane	71-55-6	1.10E+02		6.77E-01	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.32E-02	1.99E-05
VOC	1,1,2-Trichloroethane	79-00-5	5.03E+01		3.56E-02	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.68E-03	1.26E-05
VOC	Trichloroethene	79-01-6	1.68E+02		4.04E-01	6.83E-01	7.86E-05	4.40E-02	1.13E-06	2.28E-02	1.83E-05
VOC	Trichlorofluoromethane	75-69-4	1.21E+02		4.49E+00	7.52E-01	8.38E-05	4.84E-02	1.21E-06	1.25E-01	2.16E-05
VOC	1,2,3-Trichloropropane	96-18-4	4.43E+01		1.78E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	2.29E-03	9.53E-06
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3.81E+02		2.27E+01	6.74E-01	7.08E-05	4.34E-02	1.02E-06	1.33E-01	2.17E-05
VOC	1,2,4-Trimethylbenzene	95-63-6	8.97E+02		2.37E-01	5.24E-01	6.84E-05	3.37E-02	9.85E-07	2.74E-03	1.03E-05
VOC	1,3,5-Trimethylbenzene	108-67-8	1.76E+03		2.26E-01	5.20E-01	7.49E-05	3.35E-02	1.08E-06	1.38E-03	7.54E-06
VOC	Vinyl Acetate	108-05-4	5.22E+00		2.01E-02	7.34E-01	7.95E-05	4.73E-02	1.14E-06	4.95E-03	1.29E-05
VOC	Vinyl Chloride	75-01-4	1.85E+01		1.08E+00	9.16E-01	1.06E-04	5.90E-02	1.53E-06	1.24E-01	2.16E-05
VOC	Xylenes (total)	1330-20-7	3.86E+02		3.30E-01	6.74E-01	7.56E-05	4.34E-02	1.09E-06	1.02E-02	1.57E-05
SVOC	t-Amyl methyl ether	994-05-8									
SVOC	Hexachlorobutadiene	87-68-3	5.35E+04		3.12E-01	4.85E-01	5.32E-05	3.12E-02	7.66E-07	6.10E-05	1.59E-06
SVOC	Naphthalene	91-20-3	2.01E+03		1.85E-02	5.10E-01	6.48E-05	3.28E-02	9.33E-07	9.86E-05	2.02E-06
PEST	Chlordane (total)	57-74-9	1.21E+05		1.79E-03	1.02E-01	3.78E-05	6.57E-03	5.43E-07	3.40E-08	3.76E-08
PEST	4,4'-DDE	72-55-9	4.42E+06		7.63E-04	1.24E-01	5.07E-05	8.02E-03	7.30E-07	5.20E-10	4.64E-09
PEST	4,4'-DDT	50-29-3	2.63E+06		2.80E-04	1.18E-01	4.28E-05	7.63E-03	6.15E-07	3.51E-10	3.82E-09
PEST	Dieldrin	60-57-1	2.14E+04		5.41E-04	1.08E-01	4.10E-05	6.96E-03	5.89E-07	6.80E-08	5.31E-08
PEST	Toxaphene	8001-35-2	2.55E+05		2.17E-04	1.00E-01	3.75E-05	6.46E-03	5.40E-07	2.55E-09	1.03E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	2.13E-05
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	2.13E-05
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	2.18E-05
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	2.18E-05
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP									
PDIST	Motor Oil (Aromatics)	M-OIL-AROM									
PCB	Aroclor-1254	11097-69-1	2.45E+06		1.22E-01	1.75E-01	4.32E-05	1.12E-02	6.22E-07	1.88E-07	8.84E-08
PCB	Aroclor-1260	11096-82-5	4.84E+06		4.37E-01	1.97E-01	5.04E-05	1.27E-02	7.25E-07	3.84E-07	1.26E-07
PCB	Aroclor-1268	11100-14-4									
INORG	Arsenic	7440-38-2		2.90E+01							
INORG	Barium	7440-39-3		4.10E+01							
INORG	Beryllium	7440-41-7		7.90E+02							
INORG	Cadmium	7440-43-9		7.50E+01							
INORG	Chromium (total)	7440-47-3		1.90E+01							

AttachmentEF-3
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
INORG	Cobalt	7440-48-4		4.50E+01							
INORG	Copper	7440-50-8		3.50E+01							
INORG	Lead	7439-92-1		9.00E+02							
INORG	Molybdenum	7439-98-7		2.00E+01							
INORG	Nickel	7440-02-0		6.50E+01							
INORG	Thallium	7440-28-0		7.10E+01							
INORG	Vanadium	7440-62-2		1.00E+03							
INORG	Zinc	7440-66-6		6.20E+01							
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	3.37E+06		3.06E-03	4.06E-01	6.91E-05	2.62E-02	9.95E-07	8.08E-09	1.83E-08

Notes:

Soil bulk density	kg/L	ρ_b	1.49
Soil porosity	L/L-soil	θ	0.44
Soil water content	L/L-soil	θ_w	0.17
Soil air-filled porosity	L/L-soil	θ_a	0.27
Soil organic carbon fraction	unitless	f_{oc}	0.002
Averaging period (Exposure Duration)	years	T	25
	days	T	9125
Temperature	°C	Temp	24
Clean soil above source	m	Z_1	
Bottom of source depth	m	Z_2	12.80

Based on the volatilization model developed by Jury et. al. (1983) for finite sources as described in USEPA's (1996) Soil Screening Guidance: Technical Background Document.
The K_d for organic compounds is the K_{oc} times the f_{oc}.

Attachment E-3

Table 2

Soil PM^{10} Emission from Wind Erosion (Unlimited Reservoir Model)

Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Variable	Value
Aerodynamic particle size multiplier			0.036
Ground cover fraction		**G**	0.5
Mode of aggregate size distribution	mm		0.50
Threshold friction velocity	m/s	$\mathbf{u'_t}$	0.50
Correction factor			1.25
Corrected friction velocity	m/s	$\mathbf{u^*_t}$	0.6252
Roughness height	m	$\mathbf{z_0}$	0.005
Anemometer height	m		7.9
Friction velocity at anemometer height	m/s	$\mathbf{u_t}$	11.52
Mean annual wind speed	mph	$\mathbf{u_m}$	5.6
Mean annual wind speed	m/s	$\mathbf{u_m}$	2.50
u_m/u_t			0.217
$x = 0.886\ u_t/u_m$			4.08
F(x)			0.0000065
Annual average PM_{10} flux	kg-soil/m^2-s	$\mathbf{J_{10,w}}$	**3.3E-16**

Attachment E-3
Table 3
Dispersion Factor to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Value
Correlation coefficient city		90th% (LA)
Correlation coefficient A		11.9110
Correlation coefficient B		18.4385
Correlation coefficient C		209.7845

Soil source area	acres	33
Soil C/Q averaging time		Annual Max
Conversion factor from 1-Hr Max for soil		0.19
C/Q for soil	$(kg/m^3)/(kg/m^2\text{-}s)$	**28.96**

Note:
C/Q is estimated using the empirical correlation in USEPA's (2002) Supplemental Soil Screening Guidance.

Attachment E-3
Table 4
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
VOC	Acetone	67-64-1	1.00E+00	1.47E-04	1.00E+00	9.64E-15
VOC	Benzene	71-43-2	1.00E+00	5.43E-04	1.00E+00	9.64E-15
VOC	Benzyl chloride	100-44-7	1.00E+00	2.69E-04	1.00E+00	9.64E-15
VOC	Bromobenzene	108-86-1	1.00E+00	3.10E-04	1.00E+00	9.64E-15
VOC	Bromochloromethane	74-97-5	1.00E+00	4.68E-04	1.00E+00	9.64E-15
VOC	Bromodichloromethane	75-27-4	1.00E+00	3.08E-04	1.00E+00	9.64E-15
VOC	Bromoform	75-25-2	1.00E+00	1.17E-04	1.00E+00	9.64E-15
VOC	Bromomethane	74-83-9	1.00E+00	5.67E-04	1.00E+00	9.64E-15
VOC	2-Butanone	78-93-3	1.00E+00	1.57E-04	1.00E+00	9.64E-15
VOC	Butylbenzene	104-51-8	1.00E+00	2.56E-04	1.00E+00	9.64E-15
VOC	sec-Butylbenzene	135-98-8	1.00E+00	1.83E-04	1.00E+00	9.64E-15
VOC	tert-Butylbenzene	98-06-6	1.00E+00	2.67E-04	1.00E+00	9.64E-15
VOC	Carbon Disulfide	75-15-0	1.00E+00	6.22E-04	1.00E+00	9.64E-15
VOC	Carbon Tetrachloride	56-23-5	1.00E+00	5.86E-04	1.00E+00	9.64E-15
VOC	Chlorobenzene	108-90-7	1.00E+00	4.10E-04	1.00E+00	9.64E-15
VOC	Chloroethane	75-00-3	1.00E+00	6.44E-04	1.00E+00	9.64E-15
VOC	Chloroform	67-66-3	1.00E+00	5.39E-04	1.00E+00	9.64E-15
VOC	Chloromethane	74-87-3	1.00E+00	6.02E-04	1.00E+00	9.64E-15
VOC	2-Chlorotoluene	95-49-8	1.00E+00	3.09E-04	1.00E+00	9.64E-15
VOC	4-Chlorotoluene	106-43-4	1.00E+00	3.17E-04	1.00E+00	9.64E-15
VOC	Cumene	98-82-8	1.00E+00	4.22E-04	1.00E+00	9.64E-15
VOC	p-Cymene	99-87-6	1.00E+00	2.47E-04	1.00E+00	9.64E-15
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.00E+00	1.36E-04	1.00E+00	9.64E-15
VOC	Dibromochloromethane	124-48-1	1.00E+00	1.80E-04	1.00E+00	9.64E-15
VOC	1,2-Dibromoethane	106-93-4	1.00E+00	3.18E-04	1.00E+00	9.64E-15
VOC	Dibromomethane	74-95-3	1.00E+00	4.28E-04	1.00E+00	9.64E-15
VOC	1,2-Dichlorobenzene	95-50-1	1.00E+00	2.18E-04	1.00E+00	9.64E-15
VOC	1,3-Dichlorobenzene	541-73-1	1.00E+00	3.20E-04	1.00E+00	9.64E-15
VOC	1,4-Dichlorobenzene	106-46-7	1.00E+00	2.47E-04	1.00E+00	9.64E-15
VOC	Dichlorodifluoromethane	75-71-8	1.00E+00	6.34E-04	1.00E+00	9.64E-15
VOC	1,1-Dichloroethane	75-34-3	1.00E+00	5.47E-04	1.00E+00	9.64E-15
VOC	1,2-Dichloroethane	107-06-2	1.00E+00	4.49E-04	1.00E+00	9.64E-15
VOC	1,1-Dichloroethene	75-35-4	1.00E+00	6.10E-04	1.00E+00	9.64E-15
VOC	cis-1,2-Dichloroethene	156-59-2	1.00E+00	5.22E-04	1.00E+00	9.64E-15
VOC	trans-1,2-Dichloroethene	156-60-5	1.00E+00	5.61E-04	1.00E+00	9.64E-15
VOC	1,2-Dichloropropane	78-87-5	1.00E+00	4.91E-04	1.00E+00	9.64E-15
VOC	1,3-Dichloropropane	142-28-9	1.00E+00	1.91E-05	1.00E+00	9.64E-15
VOC	2,2-Dichloropropane	594-20-7	1.00E+00	5.41E-04	1.00E+00	9.64E-15
VOC	1,1-Dichloropropene	563-58-6	1.00E+00		1.00E+00	9.64E-15
VOC	1,3-Dichloropropene (total)	542-75-6	1.00E+00	5.83E-04	1.00E+00	9.64E-15
VOC	Diisopropyl ether	108-20-3	1.00E+00	1.89E-04	1.00E+00	9.64E-15
VOC	1,1-Difluoroethane	75-37-6	1.00E+00		1.00E+00	9.64E-15
VOC	Ethyl Benzene	100-41-4	1.00E+00	4.48E-04	1.00E+00	9.64E-15
VOC	Ethyl tert-butyl ether	637-92-3	1.00E+00		1.00E+00	9.64E-15
VOC	4-Ethyltoluene	622-96-8	1.00E+00	2.81E-04	1.00E+00	9.64E-15
VOC	Freon 114	76-14-2	1.00E+00		1.00E+00	9.64E-15
VOC	2-Hexanone	591-78-6	1.00E+00	1.87E-04	1.00E+00	9.64E-15
VOC	Isobutane	75-28-5	1.00E+00		1.00E+00	9.64E-15
VOC	Isopropanol	67-63-0	1.00E+00	6.54E-05	1.00E+00	9.64E-15
VOC	Methyl tert-butyl ether	1634-04-4	1.00E+00	3.79E-04	1.00E+00	9.64E-15
VOC	4-Methyl-2-pentanone	108-10-1	1.00E+00	2.22E-04	1.00E+00	9.64E-15
VOC	Methylene Chloride	75-09-2	1.00E+00	5.25E-04	1.00E+00	9.64E-15
VOC	Propylbenzene	103-65-1	1.00E+00	3.49E-04	1.00E+00	9.64E-15
VOC	Styrene	100-42-5	1.00E+00	2.40E-04	1.00E+00	9.64E-15
VOC	tert Butyl alcohol	75-65-0	1.00E+00	8.82E-05	1.00E+00	9.64E-15
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.00E+00	3.60E-04	1.00E+00	9.64E-15
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.00E+00	2.01E-04	1.00E+00	9.64E-15
VOC	Tetrachloroethene	127-18-4	1.00E+00	5.62E-04	1.00E+00	9.64E-15
VOC	Toluene	108-88-3	1.00E+00	5.01E-04	1.00E+00	9.64E-15
VOC	1,2,3-Trichlorobenzene	87-61-6	1.00E+00	6.14E-05	1.00E+00	9.64E-15
VOC	1,2,4-Trichlorobenzene	120-82-1	1.00E+00	7.55E-05	1.00E+00	9.64E-15
VOC	1,1,1-Trichloroethane	71-55-6	1.00E+00	5.75E-04	1.00E+00	9.64E-15
VOC	1,1,2-Trichloroethane	79-00-5	1.00E+00	3.65E-04	1.00E+00	9.64E-15
VOC	Trichloroethene	79-01-6	1.00E+00	5.31E-04	1.00E+00	9.64E-15
VOC	Trichlorofluoromethane	75-69-4	1.00E+00	6.26E-04	1.00E+00	9.64E-15
VOC	1,2,3-Trichloropropane	96-18-4	1.00E+00	2.76E-04	1.00E+00	9.64E-15
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.00E+00	6.29E-04	1.00E+00	9.64E-15
VOC	1,2,4-Trimethylbenzene	95-63-6	1.00E+00	2.98E-04	1.00E+00	9.64E-15
VOC	1,3,5-Trimethylbenzene	108-67-8	1.00E+00	2.18E-04	1.00E+00	9.64E-15
VOC	Vinyl Acetate	108-05-4	1.00E+00	3.72E-04	1.00E+00	9.64E-15
VOC	Vinyl Chloride	75-01-4	1.00E+00	6.26E-04	1.00E+00	9.64E-15
VOC	Xylenes (total)	1330-20-7	1.00E+00	4.56E-04	1.00E+00	9.64E-15
SVOC	t-Amyl methyl ether	994-05-8	1.00E+00		1.00E+00	9.64E-15
SVOC	Hexachlorobutadiene	87-68-3	1.00E+00	4.61E-05	1.00E+00	9.64E-15
SVOC	Naphthalene	91-20-3	1.00E+00	5.86E-05	1.00E+00	9.64E-15
PEST	Chlordane (total)	57-74-9	1.00E+00	1.09E-06	1.00E+00	9.64E-15
PEST	4,4'-DDE	72-55-9	1.00E+00	1.35E-07	1.00E+00	9.64E-15
PEST	4,4'-DDT	50-29-3	1.00E+00	1.11E-07	1.00E+00	9.64E-15
PEST	Dieldrin	60-57-1	1.00E+00	1.54E-06	1.00E+00	9.64E-15

Attachment E-3
Table 4
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
PEST	Toxaphene	8001-35-2	1.00E+00	2.98E-07	1.00E+00	9.64E-15
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.00E+00	6.18E-04	1.00E+00	9.64E-15
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.00E+00	6.18E-04	1.00E+00	9.64E-15
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.00E+00	6.32E-04	1.00E+00	9.64E-15
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.00E+00	6.32E-04	1.00E+00	9.64E-15
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.00E+00		1.00E+00	9.64E-15
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.00E+00		1.00E+00	9.64E-15
PCB	Aroclor-1254	11097-69-1	1.00E+00	2.56E-06	1.00E+00	9.64E-15
PCB	Aroclor-1260	11096-82-5	1.00E+00	3.66E-06	1.00E+00	9.64E-15
PCB	Aroclor-1268	11100-14-4	1.00E+00		1.00E+00	9.64E-15
INORG	Arsenic	7440-38-2	1.00E+00		1.00E+00	9.64E-15
INORG	Barium	7440-39-3	1.00E+00		1.00E+00	9.64E-15
INORG	Beryllium	7440-41-7	1.00E+00		1.00E+00	9.64E-15
INORG	Cadmium	7440-43-9	1.00E+00		1.00E+00	9.64E-15
INORG	Chromium (total)	7440-47-3	1.00E+00		1.00E+00	9.64E-15
INORG	Cobalt	7440-48-4	1.00E+00		1.00E+00	9.64E-15
INORG	Copper	7440-50-8	1.00E+00		1.00E+00	9.64E-15
INORG	Lead	7439-92-1	1.00E+00		1.00E+00	9.64E-15
INORG	Molybdenum	7439-98-7	1.00E+00		1.00E+00	9.64E-15
INORG	Nickel	7440-02-0	1.00E+00		1.00E+00	9.64E-15
INORG	Thallium	7440-28-0	1.00E+00		1.00E+00	9.64E-15
INORG	Vanadium	7440-62-2	1.00E+00		1.00E+00	9.64E-15
INORG	Zinc	7440-66-6	1.00E+00		1.00E+00	9.64E-15
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.00E+00	5.30E-07	1.00E+00	9.64E-15

Attachment E-3
Table 5a
Cancer-Based RBSLs for Exposure of School Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		1.2E-07							1.5E-04			9.6E-15			
VOC	Benzene	71-43-2	1.0E+00		1.2E-07	1.0E-01	8.6E+01			1.0E-01		5.4E-04	2.9E-02	1.0E+00	9.6E-15	2.9E-02	5.8E+10	1.0E+00
VOC	Benzyl chloride	100-44-7	1.0E+00		1.2E-07	1.7E-01	5.1E+01			1.7E-01		2.7E-04	4.9E-02	1.2E+00	9.6E-15	4.9E-02	3.4E+10	1.2E+00
VOC	Bromobenzene	108-86-1	1.0E+00		1.2E-07							3.1E-04			9.6E-15			
VOC	Bromochloromethane	74-97-5	1.0E+00		1.2E-07							4.7E-04			9.6E-15			
VOC	Bromodichloromethane	75-27-4	1.0E+00		1.2E-07	6.2E-02	1.4E+02			6.2E-02		3.1E-04	3.7E-02	1.4E+00	9.6E-15	3.7E-02	4.5E+10	1.4E+00
VOC	Bromoform	75-25-2	1.0E+00		1.2E-07	7.9E-03	1.1E+03			7.9E-03		1.2E-04	1.1E-03	1.2E+02	9.6E-15	1.1E-03	1.5E+12	1.1E+02
VOC	Bromomethane	74-83-9	1.0E+00		1.2E-07							5.7E-04			9.6E-15			
VOC	2-Butanone	78-93-3	1.0E+00		1.2E-07							1.6E-04			9.6E-15			
VOC	Butylbenzene	104-51-8	1.0E+00		1.2E-07							2.6E-04			9.6E-15			
VOC	sec-Butylbenzene	135-98-8	1.0E+00		1.2E-07							1.8E-04			9.6E-15			
VOC	tert-Butylbenzene	98-06-6	1.0E+00		1.2E-07							2.7E-04			9.6E-15			
VOC	Carbon Disulfide	75-15-0	1.0E+00		1.2E-07							6.2E-04			9.6E-15			
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		1.2E-07	7.0E-02	1.2E+02			7.0E-02		5.9E-04	6.0E-03	4.6E+00	9.6E-15	6.0E-03	2.8E+11	4.4E+00
VOC	Chlorobenzene	108-90-7	1.0E+00		1.2E-07							4.1E-04			9.6E-15			
VOC	Chloroethane	75-00-3	1.0E+00		1.2E-07							6.4E-04			9.6E-15			
VOC	Chloroform	67-66-3	1.0E+00		1.2E-07	3.1E-02	2.8E+02			3.1E-02		5.4E-04	2.3E-02	1.3E+00	9.6E-15	2.3E-02	7.3E+10	1.3E+00
VOC	Chloromethane	74-87-3	1.0E+00		1.2E-07							6.0E-04			9.6E-15			
VOC	2-Chlorotoluene	95-49-8	1.0E+00		1.2E-07							3.1E-04			9.6E-15			
VOC	4-Chlorotoluene	106-43-4	1.0E+00		1.2E-07							3.2E-04			9.6E-15			
VOC	Cumene	98-82-8	1.0E+00		1.2E-07							4.2E-04			9.6E-15			
VOC	p-Cymene	99-87-6	1.0E+00		1.2E-07							2.5E-04			9.6E-15			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		1.2E-07	7.0E+00	1.2E+00			7.0E+00		1.4E-04	6.0E+00	2.0E-02	9.6E-15	6.0E+00	2.8E+08	1.9E-02
VOC	Dibromochloromethane	124-48-1	1.0E+00		1.2E-07	8.4E-02	1.0E+02			8.4E-02		1.8E-04	2.1E-02	4.3E+00	9.6E-15	2.1E-02	8.0E+10	4.1E+00
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		1.2E-07	2.0E+00	4.3E+00			2.0E+00		3.2E-04	6.0E-01	8.4E-02	9.6E-15	6.0E-01	2.8E+09	8.3E-02
VOC	Dibromomethane	74-95-3	1.0E+00		1.2E-07							4.3E-04			9.6E-15			
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		1.2E-07							2.2E-04			9.6E-15			
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		1.2E-07							3.2E-04			9.6E-15			
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		1.2E-07	5.4E-03	1.6E+03			5.4E-03		2.5E-04	1.1E-02	5.9E+00	9.6E-15	1.1E-02	1.5E+11	5.9E+00
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		1.2E-07							6.3E-04			9.6E-15			
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		1.2E-07	5.7E-03	1.5E+03			5.7E-03		5.5E-04	1.6E-03	1.8E+01	9.6E-15	1.6E-03	1.0E+12	1.8E+01
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		1.2E-07	9.1E-02	9.5E+01			9.1E-02		4.5E-04	2.6E-02	1.4E+00	9.6E-15	2.6E-02	6.4E+10	1.4E+00
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		1.2E-07							6.1E-04			9.6E-15			
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		1.2E-07							5.2E-04			9.6E-15			
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		1.2E-07							5.6E-04			9.6E-15			
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		1.2E-07	3.7E-02	2.3E+02			3.7E-02		4.9E-04	3.7E-03	8.9E+00	9.6E-15	3.7E-03	4.5E+11	8.5E+00
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		1.2E-07							1.9E-05			9.6E-15			
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		1.2E-07							5.4E-04			9.6E-15			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		1.2E-07										9.6E-15			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		1.2E-07	1.0E-01	8.6E+01			1.0E-01		5.8E-04	4.0E-03	6.9E+00	9.6E-15	4.0E-03	4.2E+11	6.4E+00
VOC	Diisopropyl ether	108-20-3	1.0E+00		1.2E-07							1.9E-04			9.6E-15			
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		1.2E-07										9.6E-15			
VOC	Ethyl Benzene	100-41-4	1.0E+00		1.2E-07	1.1E-02	7.8E+02			1.1E-02		4.5E-04	2.5E-03	1.4E+01	9.6E-15	2.5E-03	6.7E+11	1.4E+01
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		1.2E-07										9.6E-15			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		1.2E-07							2.8E-04			9.6E-15			
VOC	Freon 114	76-14-2	1.0E+00		1.2E-07										9.6E-15			
VOC	2-Hexanone	591-78-6	1.0E+00		1.2E-07							1.9E-04			9.6E-15			
VOC	Isobutane	75-28-5	1.0E+00		1.2E-07										9.6E-15			
VOC	Isopropanol	67-63-0	1.0E+00		1.2E-07							6.5E-05			9.6E-15			
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		1.2E-07	1.8E-03	4.8E+03			1.8E-03		3.8E-04	2.6E-04	1.6E+02	9.6E-15	2.6E-04	6.4E+12	1.6E+02
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		1.2E-07							2.2E-04			9.6E-15			
VOC	Methylene Chloride	75-09-2	1.0E+00		1.2E-07	2.0E-03	4.3E+03			2.0E-03		5.3E-04	1.0E-03	3.1E+01	9.6E-15	1.0E-03	1.7E+12	3.1E+01
VOC	Propylbenzene	103-65-1	1.0E+00		1.2E-07							3.5E-04			9.6E-15			
VOC	Styrene	100-42-5	1.0E+00		1.2E-07							2.4E-04			9.6E-15			
VOC	tert Butyl alcohol	75-65-0	1.0E+00		1.2E-07	5.0E-04	1.7E+04			5.0E-04		8.8E-05			9.6E-15			1.7E+04

Attachment E-3
Table 5a
Cancer-Based RBSLs for Exposure of School Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		1.2E-07	2.6E-02	3.3E+02			2.6E-02		3.6E-04	7.4E-03	6.1E+00	9.6E-15	7.4E-03	2.3E+11	6.0E+00
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		1.2E-07	2.0E-01	4.3E+01			2.0E-01		2.0E-04	5.8E-02	1.4E+00	9.6E-15	5.8E-02	2.9E+10	1.3E+00
VOC	Tetrachloroethene	127-18-4	1.0E+00		1.2E-07	5.4E-01	1.6E+01			5.4E-01		5.6E-04	6.1E-03	4.7E+00	9.6E-15	6.1E-03	2.7E+11	3.6E+00
VOC	Toluene	108-88-3	1.0E+00		1.2E-07							5.0E-04			9.6E-15			
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		1.2E-07							6.1E-05			9.6E-15			
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		1.2E-07	2.9E-02	3.0E+02			2.9E-02		7.6E-05	7.3E-03	2.9E+01	9.6E-15	7.3E-03	2.3E+11	2.7E+01
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		1.2E-07							5.8E-04			9.6E-15			
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		1.2E-07	5.7E-02	1.5E+02			5.7E-02		3.7E-04	1.6E-02	2.8E+00	9.6E-15	1.6E-02	1.0E+11	2.7E+00
VOC	Trichloroethene	79-01-6	1.0E+00		1.2E-07	4.6E-02	1.9E+02			4.6E-02		5.3E-04	4.1E-03	7.4E+00	9.6E-15	4.1E-03	4.1E+11	7.1E+00
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		1.2E-07							6.3E-04			9.6E-15			
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		1.2E-07	3.0E+01	2.9E-01			3.0E+01		2.8E-04	7.5E+00	7.8E-03	9.6E-15	7.5E+00	2.2E+08	7.6E-03
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		1.2E-07							6.3E-04			9.6E-15			
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		1.2E-07							3.0E-04			9.6E-15			
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		1.2E-07							2.2E-04			9.6E-15			
VOC	Vinyl Acetate	108-05-4	1.0E+00		1.2E-07							3.7E-04			9.6E-15			
VOC	Vinyl Chloride	75-01-4	1.0E+00		1.2E-07	7.2E-01	1.2E+01			7.2E-01		6.3E-04	7.8E-02	3.3E-01	9.6E-15	7.8E-02	2.1E+10	3.2E-01
VOC	Xylenes (total)	1330-20-7	1.0E+00		1.2E-07							4.6E-04			9.6E-15			
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		1.2E-07										9.6E-15			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		1.2E-07	7.8E-02	1.1E+02	1.00E-01	9.81E-08	7.8E-02	1.3E+02	4.6E-05	2.2E-02	1.6E+01	9.6E-15	2.2E-02	7.6E+10	1.3E+01
SVOC	Naphthalene	91-20-3	1.0E+00		1.2E-07	1.2E-01	7.2E+01	1.30E-01	1.28E-07	1.2E-01	6.5E+01	5.9E-05	3.4E-02	8.1E+00	9.6E-15	3.4E-02	4.9E+10	6.5E+00
PEST	Chlordane (total)	57-74-9	1.0E+00		1.2E-07	3.5E-01	2.5E+01	4.00E-02	3.92E-08	3.5E-01	7.3E+01	1.1E-06	1.0E-01	1.5E+02	9.6E-15	1.0E-01	1.7E+10	1.6E+01
PEST	4,4'-DDE	72-55-9	1.0E+00		1.2E-07	3.4E-01	2.5E+01	3.00E-02	2.94E-08	3.4E-01	1.0E+02	1.3E-07	9.7E-02	1.2E+03	9.6E-15	9.7E-02	1.7E+10	2.0E+01
PEST	4,4'-DDT	50-29-3	1.0E+00		1.2E-07	3.4E-01	2.5E+01	3.00E-02	2.94E-08	3.4E-01	1.0E+02	1.1E-07	9.7E-02	1.5E+03	9.6E-15	9.7E-02	1.7E+10	2.0E+01
PEST	Dieldrin	60-57-1	1.0E+00		1.2E-07	1.6E+01	5.4E-01	1.00E-01	9.81E-08	1.6E+01	6.4E-01	1.5E-06	4.6E+00	2.3E+00	9.6E-15	4.6E+00	3.6E+08	2.6E-01
PEST	Toxaphene	8001-35-2	1.0E+00		1.2E-07	1.2E+00	7.2E+00	1.00E-01	9.81E-08	1.2E+00	8.5E+00	3.0E-07	3.2E-01	1.7E+02	9.6E-15	3.2E-01	5.2E+09	3.8E+00
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		1.2E-07							6.2E-04			9.6E-15			
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		1.2E-07							6.2E-04			9.6E-15			
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		1.2E-07							6.3E-04			9.6E-15			
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		1.2E-07							6.3E-04			9.6E-15			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		1.2E-07										9.6E-15			
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		1.2E-07										9.6E-15			
PCB	Aroclor-1254	11097-69-1	1.0E+00		1.2E-07	2.0E+00	4.3E+00	1.40E-01	1.37E-07	2.0E+00	3.6E+00	2.6E-06	5.7E-01	1.1E+01	9.6E-15	5.7E-01	2.9E+09	1.7E+00
PCB	Aroclor-1260	11096-82-5	1.0E+00		1.2E-07	2.0E+00	4.3E+00	1.40E-01	1.37E-07	2.0E+00	3.6E+00	3.7E-06	5.7E-01	7.7E+00	9.6E-15	5.7E-01	2.9E+09	1.6E+00
PCB	Aroclor-1268	11100-14-4	1.0E+00		1.2E-07	2.0E+00	4.3E+00	1.40E-01	1.37E-07	2.0E+00	3.6E+00		5.7E-01		9.6E-15	5.7E-01	2.9E+09	2.0E+00
INORG	Arsenic	7440-38-2	1.0E+00	0.6	1.2E-07	3.2E+01	4.5E-01	3.00E-02	2.94E-08	3.2E+01	1.1E+00		4.3E+00		9.6E-15	4.3E+00	3.9E+08	3.2E-01
INORG	Barium	7440-39-3	1.0E+00		1.2E-07										9.6E-15			
INORG	Beryllium	7440-41-7	1.0E+00		1.2E-07								2.4E+00		9.6E-15	2.4E+00	7.0E+08	7.0E+08
INORG	Cadmium	7440-43-9	1.0E+00		1.2E-07			1.00E-03	9.81E-10				4.2E+00		9.6E-15	4.2E+00	4.0E+08	4.0E+08
INORG	Chromium (total)	7440-47-3	1.0E+00		1.2E-07										9.6E-15			
INORG	Cobalt	7440-48-4	1.0E+00		1.2E-07								9.0E+00		9.6E-15	9.0E+00	1.9E+08	1.9E+08
INORG	Copper	7440-50-8	1.0E+00		1.2E-07										9.6E-15			
INORG	Lead	7439-92-1	1.0E+00		1.2E-07										9.6E-15			
INORG	Molybdenum	7439-98-7	1.0E+00		1.2E-07										9.6E-15			
INORG	Nickel	7440-02-0	1.0E+00		1.2E-07								2.6E-01		9.6E-15	2.6E-01	6.4E+09	6.4E+09
INORG	Thallium	7440-28-0	1.0E+00		1.2E-07										9.6E-15			
INORG	Vanadium	7440-62-2	1.0E+00		1.2E-07										9.6E-15			
INORG	Zinc	7440-66-6	1.0E+00		1.2E-07										9.6E-15			
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		1.2E-07	1.3E+05	6.6E-05	3.00E-02	2.94E-08	1.3E+05	2.6E-04	5.3E-07	3.8E+04	8.0E-04	9.6E-15	3.8E+04	4.4E+04	5.0E-05

Notes:
Cancer RBSLs are calculated at a target cancer risk of 1E-06.

Attachment E-3
Table 5b
Noncancer-Based RBSLs for Exposure of School Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		3.3E-07	9.0E-01	2.8E+06			9.0E-01		1.5E-04	3.1E+01	1.2E+06	9.6E-15	3.1E+01	1.9E+16	8.5E+05
VOC	Benzene	71-43-2	1.0E+00		3.3E-07	4.0E-03	1.2E+04			4.0E-03		5.4E-04	3.0E-03	3.2E+01	9.6E-15	3.0E-03	1.8E+12	3.2E+01
VOC	Benzyl chloride	100-44-7	1.0E+00		3.3E-07	2.0E-03	6.1E+03			2.0E-03		2.7E-04	1.0E-03	2.1E+01	9.6E-15	1.0E-03	6.0E+11	2.1E+01
VOC	Bromobenzene	108-86-1	1.0E+00		3.3E-07	8.0E-03	2.5E+04			8.0E-03		3.1E-04	6.0E-02	1.1E+03	9.6E-15	6.0E-02	3.6E+13	1.1E+03
VOC	Bromochloromethane	74-97-5	1.0E+00		3.3E-07							4.7E-04	4.0E-02	4.9E+02	9.6E-15	4.0E-02	2.4E+13	4.9E+02
VOC	Bromodichloromethane	75-27-4	1.0E+00		3.3E-07	8.0E-03	2.5E+04			8.0E-03		3.1E-04	3.2E-02	6.0E+02	9.6E-15	3.2E-02	1.9E+13	5.9E+02
VOC	Bromoform	75-25-2	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		1.2E-04	8.0E-02	3.9E+03	9.6E-15	8.0E-02	4.8E+13	3.7E+03
VOC	Bromomethane	74-83-9	1.0E+00		3.3E-07	1.4E-03	4.3E+03			1.4E-03		5.7E-04	5.0E-03	5.1E+01	9.6E-15	5.0E-03	3.0E+12	5.0E+01
VOC	2-Butanone	78-93-3	1.0E+00		3.3E-07	6.0E-01	1.8E+06			6.0E-01		1.6E-04	5.0E+00	1.8E+05	9.6E-15	5.0E+00	3.0E+15	1.7E+05
VOC	Butylbenzene	104-51-8	1.0E+00		3.3E-07	5.0E-02	1.5E+05			5.0E-02		2.6E-04	2.0E-01	4.5E+03	9.6E-15	2.0E-01	1.2E+14	4.4E+03
VOC	sec-Butylbenzene	135-98-8	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		1.8E-04	4.0E-01	1.3E+04	9.6E-15	4.0E-01	2.4E+14	1.2E+04
VOC	tert-Butylbenzene	98-06-6	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		2.7E-04	4.0E-01	8.6E+03	9.6E-15	4.0E-01	2.4E+14	8.4E+03
VOC	Carbon Disulfide	75-15-0	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		6.2E-04	7.0E-01	6.5E+03	9.6E-15	7.0E-01	4.2E+14	6.4E+03
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		3.3E-07	4.0E-03	1.2E+04			4.0E-03		5.9E-04	4.0E-02	3.9E+02	9.6E-15	4.0E-02	2.4E+13	3.8E+02
VOC	Chlorobenzene	108-90-7	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		4.1E-04	5.0E-02	7.0E+02	9.6E-15	5.0E-02	3.0E+13	6.9E+02
VOC	Chloroethane	75-00-3	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		6.4E-04	4.0E+00	3.6E+04	9.6E-15	4.0E+00	2.4E+15	3.2E+04
VOC	Chloroform	67-66-3	1.0E+00		3.3E-07	1.0E-02	3.1E+04			1.0E-02		5.4E-04	2.0E-03	2.1E+01	9.6E-15	2.0E-03	1.2E+12	2.1E+01
VOC	Chloromethane	74-87-3	1.0E+00		3.3E-07							6.0E-04	9.0E-02	8.6E+02	9.6E-15	9.0E-02	5.4E+13	8.6E+02
VOC	2-Chlorotoluene	95-49-8	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		3.1E-04	8.0E-02	1.5E+03	9.6E-15	8.0E-02	4.8E+13	1.5E+03
VOC	4-Chlorotoluene	106-43-4	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		3.2E-04	8.0E-02	1.5E+03	9.6E-15	8.0E-02	4.8E+13	1.4E+03
VOC	Cumene	98-82-8	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		4.2E-04	4.0E-01	5.5E+03	9.6E-15	4.0E-01	2.4E+14	5.4E+03
VOC	p-Cymene	99-87-6	1.0E+00		3.3E-07							2.5E-04			9.6E-15			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		3.3E-07	2.0E-04	6.1E+02			2.0E-04		1.4E-04	2.0E-04	8.5E+00	9.6E-15	2.0E-04	1.2E+11	8.4E+00
VOC	Dibromochloromethane	124-48-1	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		1.8E-04	8.0E-02	2.6E+03	9.6E-15	8.0E-02	4.8E+13	2.5E+03
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		3.3E-07	9.0E-03	2.8E+04			9.0E-03		3.2E-04	8.0E-04	1.4E+01	9.6E-15	8.0E-04	4.8E+11	1.4E+01
VOC	Dibromomethane	74-95-3	1.0E+00		3.3E-07	9.0E-03	2.8E+04			9.0E-03		4.3E-04	4.0E-03	5.4E+01	9.6E-15	4.0E-03	2.4E+12	5.4E+01
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		3.3E-07	9.0E-02	2.8E+05			9.0E-02		2.2E-04	2.0E-01	5.3E+03	9.6E-15	2.0E-01	1.2E+14	5.2E+03
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		3.2E-04			9.6E-15			6.1E+04
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		3.3E-07	7.0E-02	2.2E+05			7.0E-02		2.5E-04	8.0E-01	1.9E+04	9.6E-15	8.0E-01	4.8E+14	1.7E+04
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		3.3E-07	2.0E-01	6.1E+05			2.0E-01		6.3E-04	1.0E-01	9.1E+02	9.6E-15	1.0E-01	6.0E+13	9.1E+02
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		3.3E-07	2.0E-01	6.1E+05			2.0E-01		5.5E-04	8.0E-01	8.4E+03	9.6E-15	8.0E-01	4.8E+14	8.3E+03
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		3.3E-07	6.0E-03	1.8E+04			6.0E-03		4.5E-04	7.0E-03	9.0E+01	9.6E-15	7.0E-03	4.2E+12	8.9E+01
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		3.3E-07	5.0E-02	1.5E+05			5.0E-02		6.1E-04	2.0E-01	1.9E+03	9.6E-15	2.0E-01	1.2E+14	1.9E+03
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		3.3E-07	2.0E-03	6.1E+03			2.0E-03		5.2E-04	4.0E-02	4.4E+02	9.6E-15	4.0E-02	2.4E+13	4.1E+02
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		5.6E-04	4.0E-02	4.1E+02	9.6E-15	4.0E-02	2.4E+13	4.1E+02
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		3.3E-07	4.0E-02	1.2E+05			4.0E-02		4.9E-04	4.0E-03	4.7E+01	9.6E-15	4.0E-03	2.4E+12	4.7E+01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		1.9E-05	8.0E-02	2.4E+04	9.6E-15	8.0E-02	4.8E+13	1.7E+04
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		3.3E-07							5.4E-04			9.6E-15			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		3.3E-07										9.6E-15			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		3.3E-07	3.0E-02	9.2E+04			3.0E-02		5.8E-04	2.0E-02	2.0E+02	9.6E-15	2.0E-02	1.2E+13	2.0E+02
VOC	Diisopropyl ether	108-20-3	1.0E+00		3.3E-07							1.9E-04	7.0E-01	2.1E+04	9.6E-15	7.0E-01	4.2E+14	2.1E+04
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		3.3E-07								4.0E+01		9.6E-15	4.0E+01	2.4E+16	2.4E+16
VOC	Ethyl Benzene	100-41-4	1.0E+00		3.3E-07	5.0E-02	1.5E+05			5.0E-02		4.5E-04	1.0E+00	1.3E+04	9.6E-15	1.0E+00	6.0E+14	1.2E+04
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		3.3E-07										9.6E-15			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		3.3E-07							2.8E-04			9.6E-15			
VOC	Freon 114	76-14-2	1.0E+00		3.3E-07										9.6E-15			
VOC	2-Hexanone	591-78-6	1.0E+00		3.3E-07	5.0E-03	1.5E+04			5.0E-03		1.9E-04	3.0E-02	9.2E+02	9.6E-15	3.0E-02	1.8E+13	8.7E+02
VOC	Isobutane	75-28-5	1.0E+00		3.3E-07										9.6E-15			
VOC	Isopropanol	67-63-0	1.0E+00		3.3E-07	2.0E+00	6.1E+06			2.0E+00		6.5E-05	2.0E-01	1.8E+04	9.6E-15	2.0E-01	1.2E+14	1.8E+04
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		3.3E-07	4.0E-01	1.2E+06			4.0E-01		3.8E-04	3.0E+00	4.6E+04	9.6E-15	3.0E+00	1.8E+15	4.4E+04
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		3.3E-07							2.2E-04	3.0E+00	7.8E+04	9.6E-15	3.0E+00	1.8E+15	7.8E+04
VOC	Methylene Chloride	75-09-2	1.0E+00		3.3E-07	6.0E-03	1.8E+04			6.0E-03		5.3E-04	4.0E-01	4.4E+03	9.6E-15	4.0E-01	2.4E+14	3.5E+03
VOC	Propylbenzene	103-65-1	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		3.5E-04	1.0E+00	1.7E+04	9.6E-15	1.0E+00	6.0E+14	1.6E+04
VOC	Styrene	100-42-5	1.0E+00		3.3E-07	2.0E-01	6.1E+05			2.0E-01		2.4E-04	9.0E-01	2.2E+04	9.6E-15	9.0E-01	5.4E+14	2.1E+04
VOC	tert Butyl alcohol	75-65-0	1.0E+00		3.3E-07	4.0E-01	1.2E+06			4.0E-01		8.8E-05	5.0E+00	3.3E+05	9.6E-15	5.0E+00	3.0E+15	2.6E+05

Attachment E-3
Table 5b
Noncancer-Based RBSLs for Exposure of School Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		3.3E-07	3.0E-02	9.2E+04			3.0E-02		3.6E-04	1.2E-01	1.9E+03	9.6E-15	1.2E-01	7.2E+13	1.9E+03
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		3.3E-07	2.0E-02	6.1E+04			2.0E-02		2.0E-04	8.0E-02	2.3E+03	9.6E-15	8.0E-02	4.8E+13	2.2E+03
VOC	Tetrachloroethene	127-18-4	1.0E+00		3.3E-07	6.0E-03	1.8E+04			6.0E-03		5.6E-04	4.0E-02	4.1E+02	9.6E-15	4.0E-02	2.4E+13	4.0E+02
VOC	Toluene	108-88-3	1.0E+00		3.3E-07	8.0E-02	2.5E+05			8.0E-02		5.0E-04	4.2E-01	4.8E+03	9.6E-15	4.2E-01	2.5E+14	4.7E+03
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		3.3E-07	8.0E-04	2.5E+03			8.0E-04		6.1E-05	3.2E-03	3.0E+02	9.6E-15	3.2E-03	1.9E+12	2.7E+02
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		3.3E-07	1.0E-02	3.1E+04			1.0E-02		7.6E-05	2.0E-03	1.5E+02	9.6E-15	2.0E-03	1.2E+12	1.5E+02
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		3.3E-07	2.0E+00	6.1E+06			2.0E+00		5.8E-04	1.0E+00	1.0E+04	9.6E-15	1.0E+00	6.0E+14	1.0E+04
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		3.3E-07	4.0E-03	1.2E+04			4.0E-03		3.7E-04	2.0E-04	3.2E+00	9.6E-15	2.0E-04	1.2E+11	3.2E+00
VOC	Trichloroethene	79-01-6	1.0E+00		3.3E-07	5.0E-04	1.5E+03			5.0E-04		5.3E-04	2.0E-03	2.2E+01	9.6E-15	2.0E-03	1.2E+12	2.1E+01
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		3.3E-07	3.0E-01	9.2E+05			3.0E-01		6.3E-04	1.2E+00	1.1E+04	9.6E-15	1.2E+00	7.2E+14	1.1E+04
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		3.3E-07	4.0E-03	1.2E+04			4.0E-03		2.8E-04	3.0E-04	6.3E+00	9.6E-15	3.0E-04	1.8E+11	6.3E+00
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		3.3E-07	3.0E+01	9.2E+07			3.0E+01		6.3E-04	5.0E+00	4.6E+04	9.6E-15	5.0E+00	3.0E+15	4.6E+04
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		3.3E-07	1.0E-02	3.1E+04			1.0E-02		3.0E-04	6.0E-02	1.2E+03	9.6E-15	6.0E-02	3.6E+13	1.1E+03
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		3.3E-07	1.0E-02	3.1E+04			1.0E-02		2.2E-04	6.0E-02	1.6E+03	9.6E-15	6.0E-02	3.6E+13	1.5E+03
VOC	Vinyl Acetate	108-05-4	1.0E+00		3.3E-07	1.0E+00	3.1E+06			1.0E+00		3.7E-04	2.0E-01	3.1E+03	9.6E-15	2.0E-01	1.2E+14	3.1E+03
VOC	Vinyl Chloride	75-01-4	1.0E+00		3.3E-07	3.0E-03	9.2E+03			3.0E-03		6.3E-04	5.1E-02	4.7E+02	9.6E-15	5.1E-02	3.0E+13	4.5E+02
VOC	Xylenes (total)	1330-20-7	1.0E+00		3.3E-07	2.0E-01	6.1E+05			2.0E-01		4.6E-04	1.0E-01	1.3E+03	9.6E-15	1.0E-01	6.0E+13	1.3E+03
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		3.3E-07										9.6E-15			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		3.3E-07	1.0E-03	3.1E+03	1.0E-01	2.7E-07	1.0E-03	3.6E+03	4.6E-05	4.0E-03	5.0E+02	9.6E-15	4.0E-03	2.4E+12	3.8E+02
SVOC	Naphthalene	91-20-3	1.0E+00		3.3E-07	2.0E-02	6.1E+04	1.3E-01	3.6E-07	2.0E-02	5.6E+04	5.9E-05	3.0E-03	3.0E+02	9.6E-15	3.0E-03	1.8E+12	2.9E+02
PEST	Chlordane (total)	57-74-9	1.0E+00		3.3E-07	5.0E-04	1.5E+03	4.0E-02	1.1E-07	5.0E-04	4.5E+03	1.1E-06	7.0E-04	3.7E+03	9.6E-15	7.0E-04	4.2E+11	8.8E+02
PEST	4,4'-DDE	72-55-9	1.0E+00		3.3E-07	5.0E-04	1.5E+03	3.0E-02	8.2E-08	5.0E-04	6.1E+03	1.3E-07	2.0E-03	8.6E+04	9.6E-15	2.0E-03	1.2E+12	1.2E+03
PEST	4,4'-DDT	50-29-3	1.0E+00		3.3E-07	5.0E-04	1.5E+03	3.0E-02	8.2E-08	5.0E-04	6.1E+03	1.1E-07			9.6E-15			1.2E+03
PEST	Dieldrin	60-57-1	1.0E+00		3.3E-07	5.0E-05	1.5E+02	1.0E-01	2.7E-07	5.0E-05	1.8E+02	1.5E-06	2.0E-04	7.5E+02	9.6E-15	2.0E-04	1.2E+11	7.5E+01
PEST	Toxaphene	8001-35-2	1.0E+00		3.3E-07	9.0E-05	2.8E+02	1.0E-01	2.7E-07	9.0E-05	3.3E+02	3.0E-07			9.6E-15			1.5E+02
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		3.3E-07	1.0E-01	3.1E+05			1.0E-01		6.2E-04	2.0E-01	1.9E+03	9.6E-15	2.0E-01	1.2E+14	1.9E+03
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		3.3E-07	4.0E-03	1.2E+04			4.0E-03		6.2E-04	5.0E-02	4.7E+02	9.6E-15	5.0E-02	3.0E+13	4.5E+02
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		3.3E-07	4.0E-02	1.2E+05			4.0E-02		6.3E-04	7.0E-01	6.4E+03	9.6E-15	7.0E-01	4.2E+14	6.1E+03
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		3.3E-07							6.3E-04			9.6E-15			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		3.3E-07	2.0E+00	6.1E+06			2.0E+00					9.6E-15			6.1E+06
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		3.3E-07	3.0E-02	9.2E+04			3.0E-02					9.6E-15			9.2E+04
PCB	Aroclor-1254	11097-69-1	1.0E+00		3.3E-07	2.0E-05	6.1E+01	1.4E-01	3.8E-07	2.0E-05	5.2E+01	2.6E-06	8.0E-05	1.8E+02	9.6E-15	8.0E-05	4.8E+10	2.4E+01
PCB	Aroclor-1260	11096-82-5	1.0E+00		3.3E-07	2.0E-05	6.1E+01	1.4E-01	3.8E-07	2.0E-05	5.2E+01	3.7E-06	8.0E-05	1.3E+02	9.6E-15	8.0E-05	4.8E+10	2.3E+01
PCB	Aroclor-1268	11100-14-4	1.0E+00		3.3E-07	2.0E-05	6.1E+01	1.4E-01	3.8E-07	2.0E-05	5.2E+01		8.0E-05		9.6E-15	8.0E-05	4.8E+10	2.8E+01
INORG	Arsenic	7440-38-2	1.0E+00	0.6	3.3E-07	3.5E-06	1.8E+01	3.0E-02	8.2E-08	3.5E-06	4.2E+01		1.5E-05		9.6E-15	1.5E-05	9.0E+09	1.3E+01
INORG	Barium	7440-39-3	1.0E+00		3.3E-07	2.0E-01	6.1E+05			1.4E-02			5.0E-04		9.6E-15	5.0E-04	3.0E+11	6.1E+05
INORG	Beryllium	7440-41-7	1.0E+00		3.3E-07	2.0E-04	6.1E+02			1.4E-06			7.0E-06		9.6E-15	7.0E-06	4.2E+09	6.1E+02
INORG	Cadmium	7440-43-9	1.0E+00		3.3E-07	1.0E-04	3.1E+02	1.0E-03	2.7E-09	2.5E-06	9.1E+02		1.0E-05		9.6E-15	1.0E-05	6.0E+09	2.3E+02
INORG	Chromium (total)	7440-47-3	1.0E+00		3.3E-07	1.5E+00	4.6E+06			2.0E-02			5.0E-03		9.6E-15	5.0E-03	3.0E+12	4.6E+06
INORG	Cobalt	7440-48-4	1.0E+00		3.3E-07	3.0E-04	9.2E+02			3.0E-04			6.0E-06		9.6E-15	6.0E-06	3.6E+09	9.2E+02
INORG	Copper	7440-50-8	1.0E+00		3.3E-07	4.0E-02	1.2E+05			4.0E-02					9.6E-15			1.2E+05
INORG	Lead	7439-92-1	1.0E+00		3.3E-07										9.6E-15			
INORG	Molybdenum	7439-98-7	1.0E+00		3.3E-07	5.0E-03	1.5E+04			5.0E-03			2.0E-03		9.6E-15	2.0E-03	1.2E+12	1.5E+04
INORG	Nickel	7440-02-0	1.0E+00		3.3E-07	1.1E-02	3.4E+04			4.4E-04			1.4E-05		9.6E-15	1.4E-05	8.4E+09	3.4E+04
INORG	Thallium	7440-28-0	1.0E+00		3.3E-07	1.0E-05	3.1E+01			1.0E-05					9.6E-15			3.1E+01
INORG	Vanadium	7440-62-2	1.0E+00		3.3E-07	5.0E-03	1.5E+04			1.3E-04			1.0E-04		9.6E-15	1.0E-04	6.0E+10	1.5E+04
INORG	Zinc	7440-66-6	1.0E+00		3.3E-07	3.0E-01	9.2E+05			3.0E-01					9.6E-15			9.2E+05
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		3.3E-07	7.0E-10	2.2E-03	3.0E-02	8.2E-08	7.0E-10	8.5E-03	5.3E-07	4.0E-08	4.3E-01	9.6E-15	4.0E-08	2.4E+07	1.7E-03

Note:
Noncancer RBSLs are calculated at a target HQ of 1.

Attachment E-3
Table 6
Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building
School Worker
Centennial High School, 2606 North Central Avenue, Compton, CA

					Cancer		Noncancer	
Chem Group	**Chemical**	**CASRN**	**C_{SSG}** (mg/m^3)	**C_{air}** (mg/m^3)	**URF** $(mg/m^3)^{-1}$	**RBSL** (mg/m^3)	**RfC** (mg/m^3)	**RBSL** (mg/m^3)
VOC	Acetone	67-64-1	1.0E+00	3.0E-02			3.1E+01	6.0E+03
VOC	Benzene	71-43-2	1.0E+00	3.0E-02	2.9E-02	1.9E-02	3.0E-03	5.8E-01
VOC	Benzyl chloride	100-44-7	1.0E+00	3.0E-02	4.9E-02	1.1E-02	1.0E-03	1.9E-01
VOC	Bromobenzene	108-86-1	1.0E+00	3.0E-02			6.0E-02	1.2E+01
VOC	Bromochloromethane	74-97-5	1.0E+00	3.0E-02			4.0E-02	7.7E+00
VOC	Bromodichloromethane	75-27-4	1.0E+00	3.0E-02	3.7E-02	1.5E-02	3.2E-02	6.1E+00
VOC	Bromoform	75-25-2	1.0E+00	3.0E-02	1.1E-03	4.9E-01	8.0E-02	1.5E+01
VOC	Bromomethane	74-83-9	1.0E+00	3.0E-02			5.0E-03	9.6E-01
VOC	2-Butanone	78-93-3	1.0E+00	3.0E-02			5.0E+00	9.6E+02
VOC	Butylbenzene	104-51-8	1.0E+00	3.0E-02			2.0E-01	3.8E+01
VOC	sec-Butylbenzene	135-98-8	1.0E+00	3.0E-02			4.0E-01	7.7E+01
VOC	tert-Butylbenzene	98-06-6	1.0E+00	3.0E-02			4.0E-01	7.7E+01
VOC	Carbon Disulfide	75-15-0	1.0E+00	3.0E-02			7.0E-01	1.3E+02
VOC	Carbon Tetrachloride	56-23-5	1.0E+00	3.0E-02	6.0E-03	9.0E-02	4.0E-02	7.7E+00
VOC	Chlorobenzene	108-90-7	1.0E+00	3.0E-02			5.0E-02	9.6E+00
VOC	Chloroethane	75-00-3	1.0E+00	3.0E-02			4.0E+00	7.7E+02
VOC	Chloroform	67-66-3	1.0E+00	3.0E-02	2.3E-02	2.3E-02	2.0E-03	3.8E-01
VOC	Chloromethane	74-87-3	1.0E+00	3.0E-02			9.0E-02	1.7E+01
VOC	2-Chlorotoluene	95-49-8	1.0E+00	3.0E-02			8.0E-02	1.5E+01
VOC	4-Chlorotoluene	106-43-4	1.0E+00	3.0E-02			8.0E-02	1.5E+01
VOC	Cumene	98-82-8	1.0E+00	3.0E-02			4.0E-01	7.7E+01
VOC	p-Cymene	99-87-6	1.0E+00	3.0E-02				
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00	3.0E-02	6.0E+00	5.6E-06	2.0E-04	3.8E-02
VOC	Dibromochloromethane	124-48-1	1.0E+00	3.0E-02	2.1E-02	2.6E-02	8.0E-02	1.5E+01
VOC	1,2-Dibromoethane	106-93-4	1.0E+00	3.0E-02	6.0E-01	9.0E-04	8.0E-04	1.5E-01
VOC	Dibromomethane	74-95-3	1.0E+00	3.0E-02			4.0E-03	7.7E-01
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00	3.0E-02			2.0E-01	3.8E+01
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00	3.0E-02				
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00	3.0E-02	1.1E-02	4.9E-02	8.0E-01	1.5E+02
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00	3.0E-02			1.0E-01	1.9E+01
VOC	1,1-Dichloroethane	75-34-3	1.0E+00	3.0E-02	1.6E-03	3.4E-01	8.0E-01	1.5E+02
VOC	1,2-Dichloroethane	107-06-2	1.0E+00	3.0E-02	2.6E-02	2.1E-02	7.0E-03	1.3E+00
VOC	1,1-Dichloroethene	75-35-4	1.0E+00	3.0E-02			2.0E-01	3.8E+01
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00	3.0E-02			4.0E-02	7.7E+00
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00	3.0E-02			4.0E-02	7.7E+00
VOC	1,2-Dichloropropane	78-87-5	1.0E+00	3.0E-02	3.7E-03	1.5E-01	4.0E-03	7.7E-01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00	3.0E-02			8.0E-02	1.5E+01
VOC	2,2-Dichloropropane	594-20-7	1.0E+00	3.0E-02				
VOC	1,1-Dichloropropene	563-58-6	1.0E+00	3.0E-02				
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00	3.0E-02	4.0E-03	1.3E-01	2.0E-02	3.8E+00
VOC	Diisopropyl ether	108-20-3	1.0E+00	3.0E-02			7.0E-01	1.3E+02
VOC	1,1-Difluoroethane	75-37-6	1.0E+00	3.0E-02			4.0E+01	7.7E+03
VOC	Ethyl Benzene	100-41-4	1.0E+00	3.0E-02	2.5E-03	2.2E-01	1.0E+00	1.9E+02
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00	3.0E-02				
VOC	4-Ethyltoluene	622-96-8	1.0E+00	3.0E-02				
VOC	Freon 114	76-14-2	1.0E+00	3.0E-02				
VOC	2-Hexanone	591-78-6	1.0E+00	3.0E-02			3.0E-02	5.8E+00
VOC	Isobutane	75-28-5	1.0E+00	3.0E-02				
VOC	Isopropanol	67-63-0	1.0E+00	3.0E-02			2.0E-01	3.8E+01
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00	3.0E-02	2.6E-04	2.1E+00	3.0E+00	5.8E+02
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00	3.0E-02			3.0E+00	5.8E+02
VOC	Methylene Chloride	75-09-2	1.0E+00	3.0E-02	1.0E-03	3.3E-02	4.0E-01	7.7E+01
VOC	Propylbenzene	103-65-1	1.0E+00	3.0E-02			1.0E+00	1.9E+02
VOC	Styrene	100-42-5	1.0E+00	3.0E-02			9.0E-01	1.7E+02
VOC	tert Butyl alcohol	75-65-0	1.0E+00	3.0E-02			5.0E+00	9.6E+02
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00	3.0E-02	7.4E-03	7.3E-02	1.2E-01	2.3E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00	3.0E-02	5.8E-02	9.3E-03	8.0E-02	1.5E+01
VOC	Tetrachloroethene	127-18-4	1.0E+00	3.0E-02	6.1E-03	8.8E-02	4.0E-02	7.7E+00
VOC	Toluene	108-88-3	1.0E+00	3.0E-02			4.2E-01	8.1E+01
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00	3.0E-02			3.2E-03	6.1E-01
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00	3.0E-02	7.3E-03	7.4E-02	2.0E-03	3.8E-01
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00	3.0E-02			1.0E+00	1.9E+02
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00	3.0E-02	1.6E-02	3.4E-02	2.0E-04	3.8E-02
VOC	Trichloroethene	79-01-6	1.0E+00	3.0E-02	4.1E-03	2.8E-02	2.0E-03	3.8E-01
VOC	Trichlorofluoromethane	75-69-4	1.0E+00	3.0E-02			1.2E+00	2.3E+02
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00	3.0E-02	7.5E+00	4.4E-06	3.0E-04	5.8E-02
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00	3.0E-02			5.0E+00	9.6E+02
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00	3.0E-02			6.0E-02	1.2E+01
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00	3.0E-02			6.0E-02	1.2E+01
VOC	Vinyl Acetate	108-05-4	1.0E+00	3.0E-02			2.0E-01	3.8E+01
VOC	Vinyl Chloride	75-01-4	1.0E+00	3.0E-02	7.8E-02	6.9E-03	5.1E-02	9.8E+00
VOC	Xylenes (total)	1330-20-7	1.0E+00	3.0E-02			1.0E-01	1.9E+01
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00	3.0E-02				
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00	3.0E-02	2.2E-02	2.4E-02	4.0E-03	7.7E-01
SVOC	Naphthalene	91-20-3	1.0E+00	3.0E-02	3.4E-02	1.6E-02	3.0E-03	5.8E-01
PEST	Chlordane (total)	57-74-9	1.0E+00	3.0E-02	1.0E-01	5.4E-03	7.0E-04	1.3E-01
PEST	4,4'-DDE	72-55-9	1.0E+00	3.0E-02	9.7E-02	5.5E-03	2.0E-03	3.8E-01
PEST	4,4'-DDT	50-29-3	1.0E+00	3.0E-02	9.7E-02	5.5E-03		
PEST	Dieldrin	60-57-1	1.0E+00	3.0E-02	4.6E+00	1.2E-04	2.0E-04	3.8E-02
PEST	Toxaphene	8001-35-2	1.0E+00	3.0E-02	3.2E-01	1.7E-03		
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00	3.0E-02			2.0E-01	3.8E+01
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00	3.0E-02			5.0E-02	9.6E+00
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00	3.0E-02			7.0E-01	1.3E+02
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00	3.0E-02				
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00	3.0E-02				
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00	3.0E-02				
PCB	Aroclor-1254	11097-69-1	1.0E+00	3.0E-02	5.7E-01	9.4E-04	8.0E-05	1.5E-02

Attachment E-3
Table 6
Cancer- and Noncancer-Based RBSLs for Soil Gas Vapor Intrusion into a School Building
School Worker
Centennial High School, 2606 North Central Avenue, Compton, CA

					Cancer		Noncancer	
Chem Group	**Chemical**	**CASRN**	**C_{SSG}** (mg/m^3)	**C_{air}** (mg/m^3)	**URF** $(mg/m^3)^{-1}$	**RBSL** (mg/m^3)	**RfC** (mg/m^3)	**RBSL** (mg/m^3)
PCB	Aroclor-1260	11096-82-5	1.0E+00	3.0E-02	5.7E-01	9.4E-04	8.0E-05	1.5E-02
PCB	Aroclor-1268	11100-14-4	1.0E+00	3.0E-02	5.7E-01	9.4E-04	8.0E-05	1.5E-02
INORG	Arsenic	7440-38-2	1.0E+00	3.0E-02	4.3E+00	1.3E-04	1.5E-05	2.9E-03
INORG	Barium	7440-39-3	1.0E+00	3.0E-02			5.0E-04	9.6E-02
INORG	Beryllium	7440-41-7	1.0E+00	3.0E-02	2.4E+00	2.2E-04	7.0E-06	1.3E-03
INORG	Cadmium	7440-43-9	1.0E+00	3.0E-02	4.2E+00	1.3E-04	1.0E-05	1.9E-03
INORG	Chromium (total)	7440-47-3	1.0E+00	3.0E-02			5.0E-03	9.6E-01
INORG	Cobalt	7440-48-4	1.0E+00	3.0E-02	9.0E+00	6.0E-05	6.0E-06	1.2E-03
INORG	Copper	7440-50-8	1.0E+00	3.0E-02				
INORG	Lead	7439-92-1	1.0E+00	3.0E-02				
INORG	Molybdenum	7439-98-7	1.0E+00	3.0E-02			2.0E-03	3.8E-01
INORG	Nickel	7440-02-0	1.0E+00	3.0E-02	2.6E-01	2.1E-03	1.4E-05	2.7E-03
INORG	Thallium	7440-28-0	1.0E+00	3.0E-02				
INORG	Vanadium	7440-62-2	1.0E+00	3.0E-02			1.0E-04	1.9E-02
INORG	Zinc	7440-66-6	1.0E+00	3.0E-02				
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00	3.0E-02	3.8E+04	1.4E-08	4.0E-08	7.7E-06

Notes:
Cancer RBSLs are calculated at a target cancer risk of 1E-06.
Noncancer RBSLs are calculated at a target HQ of 1.

Attachment 4

Maintenance Worker Risk Based Screening Level Calculations

Table 1 – Normalized Average Vapor Flux from Soil to Outdoor Air

Table 2 – Dispersion Factor to Outdoor Air

Table 3 – Concentrations in Outdoor Air from Soil

Table 4a –Cancer-Based RBSLs for Exposure of Maintenance Workers to Soil

Table 4b – Noncancer-Based RBSLs for Exposure of Maintenance Workers to Soil

Attachment E-4
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
VOC	Acetone	67-64-1	5.81E-01		1.53E-03	1.07E+00	9.85E-05	6.90E-02	1.42E-06	6.18E-04	8.01E-06
VOC	Benzene	71-43-2	5.82E+01		2.19E-01	7.60E-01	8.47E-05	4.90E-02	1.22E-06	2.66E-02	3.97E-05
VOC	Benzyl chloride	100-44-7	7.94E+01		2.14E-02	6.48E-01	6.74E-05	4.17E-02	9.70E-07	2.16E-03	1.50E-05
VOC	Bromobenzene	108-86-1	2.79E+02		1.04E-01	4.64E-01	8.04E-05	2.99E-02	1.16E-06	3.02E-03	1.77E-05
VOC	Bromochloromethane	74-97-5	1.57E+01		7.05E-02	5.94E-01	8.64E-05	3.83E-02	1.24E-06	1.14E-02	3.13E-05
VOC	Bromodichloromethane	75-27-4	5.51E+01		6.27E-02	2.57E-01	9.16E-05	1.66E-02	1.32E-06	2.96E-03	1.75E-05
VOC	Bromoform	75-25-2	8.70E+01		2.07E-02	1.29E-01	8.90E-05	8.29E-03	1.28E-06	3.96E-04	6.41E-06
VOC	Bromomethane	74-83-9	1.05E+01		2.49E-01	6.29E-01	1.05E-04	4.05E-02	1.50E-06	3.75E-02	4.27E-05
VOC	2-Butanone	78-93-3	2.00E+00		2.78E-03	6.98E-01	8.47E-05	4.50E-02	1.22E-06	7.10E-04	8.58E-06
VOC	Butylbenzene	104-51-8	2.54E+03		4.80E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	1.94E-03	1.42E-05
VOC	sec-Butylbenzene	135-98-8	2.73E+03		2.55E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	9.67E-04	1.00E-05
VOC	tert-Butylbenzene	98-06-6	2.15E+03		4.55E-01	4.88E-01	6.93E-05	3.14E-02	9.97E-07	2.13E-03	1.49E-05
VOC	Carbon Disulfide	75-15-0	4.59E+01		1.20E+00	8.99E-01	8.64E-05	5.79E-02	1.24E-06	1.10E-01	4.98E-05
VOC	Carbon Tetrachloride	56-23-5	1.74E+02		1.20E+00	6.74E-01	7.60E-05	4.34E-02	1.09E-06	5.16E-02	4.51E-05
VOC	Chlorobenzene	108-90-7	2.20E+02		1.44E-01	6.31E-01	7.52E-05	4.06E-02	1.08E-06	6.77E-03	2.56E-05
VOC	Chloroethane	75-00-3	1.62E+01		5.11E-01	2.34E+00	9.94E-05	1.51E-01	1.43E-06	2.16E-01	5.28E-05
VOC	Chloroform	67-66-3	3.97E+01		1.44E-01	8.99E-01	8.64E-05	5.79E-02	1.24E-06	2.55E-02	3.94E-05
VOC	Chloromethane	74-87-3	3.97E+01		3.95E-01	1.09E+00	5.62E-05	7.01E-02	8.08E-07	7.01E-02	4.72E-05
VOC	2-Chlorotoluene	95-49-8	6.12E+02		1.75E-01	5.43E-01	7.52E-05	3.50E-02	1.08E-06	2.99E-03	1.76E-05
VOC	4-Chlorotoluene	106-43-4	7.57E+02		2.28E-01	5.40E-01	7.47E-05	3.48E-02	1.08E-06	3.19E-03	1.81E-05
VOC	Cumene	98-82-8	7.05E+02		4.97E-01	5.62E-01	6.13E-05	3.62E-02	8.83E-07	7.48E-03	2.67E-05
VOC	p-Cymene	99-87-6	2.11E+03		3.76E-01	4.84E-01	6.33E-05	3.12E-02	9.11E-07	1.79E-03	1.36E-05
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.45E+02		7.19E-03	6.91E-01	6.91E-05	4.45E-02	9.95E-07	5.31E-04	7.42E-06
VOC	Dibromochloromethane	124-48-1	6.26E+01		3.10E-02	1.69E-01	9.07E-05	1.09E-02	1.31E-06	9.28E-04	9.81E-06
VOC	1,2-Dibromoethane	106-93-4	2.22E+01		3.30E-02	3.72E-01	7.29E-05	2.39E-02	1.05E-06	3.22E-03	1.82E-05
VOC	Dibromomethane	74-95-3	1.95E+01		4.25E-02	6.91E-01	6.91E-05	4.45E-02	9.95E-07	7.87E-03	2.72E-05
VOC	1,2-Dichlorobenzene	95-50-1	6.23E+02		7.32E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.37E-03	1.19E-05
VOC	1,3-Dichlorobenzene	541-73-1	5.69E+02		1.61E-01	5.98E-01	6.79E-05	3.85E-02	9.77E-07	3.25E-03	1.83E-05
VOC	1,4-Dichlorobenzene	106-46-7	6.12E+02		9.38E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.78E-03	1.36E-05
VOC	Dichlorodifluoromethane	75-71-8	6.15E+01		1.66E+01	6.91E-01	6.91E-05	4.45E-02	9.95E-07	1.54E-01	5.14E-05
VOC	1,1-Dichloroethane	75-34-3	3.13E+01		2.21E-01	6.41E-01	9.07E-05	4.13E-02	1.31E-06	2.83E-02	4.03E-05
VOC	1,2-Dichloroethane	107-06-2	1.75E+01		3.84E-02	8.99E-01	8.55E-05	5.79E-02	1.23E-06	9.52E-03	2.93E-05
VOC	1,1-Dichloroethene	75-35-4	5.82E+01		1.04E+00	7.78E-01	8.99E-05	5.01E-02	1.29E-06	8.34E-02	4.82E-05
VOC	cis-1,2-Dichloroethene	156-59-2	3.56E+01		1.60E-01	6.36E-01	9.76E-05	4.10E-02	1.40E-06	2.05E-02	3.73E-05
VOC	trans-1,2-Dichloroethene	156-60-5	5.22E+01		3.71E-01	6.11E-01	1.03E-04	3.94E-02	1.48E-06	3.43E-02	4.20E-05
VOC	1,2-Dichloropropane	78-87-5	4.35E+01		1.10E-01	6.76E-01	7.54E-05	4.35E-02	1.09E-06	1.45E-02	3.38E-05
VOC	1,3-Dichloropropane	142-28-9	4.59E+01		4.85E-05	6.40E-01	8.53E-05	4.12E-02	1.23E-06	1.05E-05	1.04E-06
VOC	2,2-Dichloropropane	594-20-7	3.85E+01		2.24E-01	6.22E-01	8.19E-05	4.01E-02	1.18E-06	2.60E-02	3.95E-05
VOC	1,1-Dichloropropene	563-58-6	1.21E+02		2.45E+00						
VOC	1,3-Dichloropropene (total)	542-75-6	4.59E+01		6.92E-01	5.41E-01	8.64E-05	3.48E-02	1.24E-06	4.89E-02	4.47E-05
VOC	Diisopropyl ether	108-20-3	1.52E+03		9.99E-02	7.55E-01	6.73E-05	4.86E-02	9.69E-07	1.03E-03	1.03E-05
VOC	1,1-Difluoroethane	75-37-6									
VOC	Ethyl Benzene	100-41-4	3.67E+02		3.06E-01	6.48E-01	6.74E-05	4.17E-02	9.70E-07	9.49E-03	2.93E-05
VOC	Ethyl tert-butyl ether	637-92-3									
VOC	4-Ethyltoluene	622-96-8	1.16E+03		2.45E-01	5.61E-01	6.77E-05	3.61E-02	9.75E-07	2.38E-03	1.57E-05
VOC	Freon 114	76-14-2			1.37E+02						
VOC	2-Hexanone	591-78-6	1.48E+01		4.52E-03	7.45E-01	7.57E-05	4.80E-02	1.09E-06	1.01E-03	1.02E-05
VOC	Isobutane	75-28-5									
VOC	Isopropanol	67-63-0	1.31E+00		3.76E-04	8.47E-01	6.65E-05	5.45E-02	9.56E-07	1.23E-04	3.57E-06
VOC	Methyl tert-butyl ether	1634-04-4	1.15E+01		2.31E-02	7.42E-01	8.73E-05	4.78E-02	1.26E-06	5.24E-03	2.29E-05
VOC	4-Methyl-2-pentanone	108-10-1	1.05E+01		6.96E-03	6.48E-01	6.74E-05	4.17E-02	9.70E-07	1.43E-03	1.22E-05
VOC	Methylene Chloride	75-09-2	1.17E+01		8.66E-02	8.73E-01	1.01E-04	5.62E-02	1.45E-06	2.13E-02	3.77E-05
VOC	Propylbenzene	103-65-1	9.83E+02		3.93E-01	5.19E-01	6.77E-05	3.35E-02	9.74E-07	4.10E-03	2.05E-05
VOC	Styrene	100-42-5	7.77E+02		1.07E-01	6.13E-01	6.91E-05	3.95E-02	9.95E-07	1.68E-03	1.32E-05
VOC	tert Butyl alcohol	75-65-0	2.27E+00		6.99E-04	8.51E-01	9.85E-05	5.48E-02	1.42E-06	2.23E-04	4.81E-06
VOC	1,1,1,2-Tetrachloroethane	630-20-6	3.06E+02		1.27E-01	6.13E-01	6.83E-05	3.95E-02	9.82E-07	4.48E-03	2.13E-05
VOC	1,1,2,2-Tetrachloroethane	79-34-5	9.35E+01		1.33E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	1.16E-03	1.10E-05
VOC	Tetrachloroethene	127-18-4	1.56E+02		7.17E-01	6.22E-01	7.08E-05	4.01E-02	1.02E-06	3.47E-02	4.21E-05
VOC	Toluene	108-88-3	1.80E+02		2.59E-01	7.52E-01	7.43E-05	4.84E-02	1.07E-06	1.61E-02	3.49E-05
VOC	1,2,3-Trichlorobenzene	87-61-6	3.97E+03		6.12E-02	3.30E-01	7.11E-05	2.13E-02	1.02E-06	1.08E-04	3.35E-06
VOC	1,2,4-Trichlorobenzene	120-82-1	1.79E+03		5.42E-02	2.59E-01	7.11E-05	1.67E-02	1.02E-06	1.64E-04	4.12E-06
VOC	1,1,1-Trichloroethane	71-55-6	1.10E+02		6.77E-01	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.32E-02	4.38E-05
VOC	1,1,2-Trichloroethane	79-00-5	5.03E+01		3.56E-02	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.68E-03	2.17E-05
VOC	Trichloroethene	79-01-6	1.68E+02		4.04E-01	6.83E-01	7.86E-05	4.40E-02	1.13E-06	2.28E-02	3.83E-05
VOC	Trichlorofluoromethane	75-69-4	1.21E+02		4.49E+00	7.52E-01	8.38E-05	4.84E-02	1.21E-06	1.25E-01	5.04E-05
VOC	1,2,3-Trichloropropane	96-18-4	4.43E+01		1.78E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	2.29E-03	1.54E-05
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3.81E+02		2.27E+01	6.74E-01	7.08E-05	4.34E-02	1.02E-06	1.33E-01	5.07E-05
VOC	1,2,4-Trimethylbenzene	95-63-6	8.97E+02		2.37E-01	5.24E-01	6.84E-05	3.37E-02	9.85E-07	2.74E-03	1.68E-05
VOC	1,3,5-Trimethylbenzene	108-67-8	1.76E+03		2.26E-01	5.20E-01	7.49E-05	3.35E-02	1.08E-06	1.38E-03	1.20E-05
VOC	Vinyl Acetate	108-05-4	5.22E+00		2.01E-02	7.34E-01	7.95E-05	4.73E-02	1.14E-06	4.95E-03	2.23E-05
VOC	Vinyl Chloride	75-01-4	1.85E+01		1.08E+00	9.16E-01	1.06E-04	5.90E-02	1.53E-06	1.24E-01	5.04E-05
VOC	Xylenes (total)	1330-20-7	3.86E+02		3.30E-01	6.74E-01	7.56E-05	4.34E-02	1.09E-06	1.02E-02	3.00E-05
SVOC	t-Amyl methyl ether	994-05-8									
SVOC	Hexachlorobutadiene	87-68-3	5.35E+04		3.12E-01	4.85E-01	5.32E-05	3.12E-02	7.66E-07	6.10E-05	2.52E-06
SVOC	Naphthalene	91-20-3	2.01E+03		1.85E-02	5.10E-01	6.48E-05	3.28E-02	9.33E-07	9.86E-05	3.20E-06
PEST	Chlordane (total)	57-74-9	1.21E+05		1.79E-03	1.02E-01	3.78E-05	6.57E-03	5.43E-07	3.40E-08	5.94E-08
PEST	4,4'-DDE	72-55-9	4.42E+06		7.63E-04	1.24E-01	5.07E-05	8.02E-03	7.30E-07	5.20E-10	7.34E-09
PEST	4,4'-DDT	50-29-3	2.63E+06		2.80E-04	1.18E-01	4.28E-05	7.63E-03	6.15E-07	3.51E-10	6.04E-09
PEST	Dieldrin	60-57-1	2.14E+04		5.41E-04	1.08E-01	4.10E-05	6.96E-03	5.89E-07	6.80E-08	8.40E-08
PEST	Toxaphene	8001-35-2	2.55E+05		2.17E-04	1.00E-01	3.75E-05	6.46E-03	5.40E-07	2.55E-09	1.63E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	4.93E-05
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	4.93E-05
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	5.12E-05
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	5.12E-05
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP									
PDIST	Motor Oil (Aromatics)	M-OIL-AROM									
PCB	Aroclor-1254	11097-69-1	2.45E+06		1.22E-01	1.75E-01	4.32E-05	1.12E-02	6.22E-07	1.88E-07	1.40E-07
PCB	Aroclor-1260	11096-82-5	4.84E+06		4.37E-01	1.97E-01	5.04E-05	1.27E-02	7.25E-07	3.84E-07	2.00E-07
PCB	Aroclor-1268	11100-14-4									
INORG	Arsenic	7440-38-2		2.90E+01							
INORG	Barium	7440-39-3		4.10E+01							
INORG	Beryllium	7440-41-7		7.90E+02							
INORG	Cadmium	7440-43-9		7.50E+01							
INORG	Chromium (total)	7440-47-3		1.90E+01							

Attachment E-4
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
INORG	Cobalt	7440-48-4		4.50E+01							
INORG	Copper	7440-50-8		3.50E+01							
INORG	Lead	7439-92-1		9.00E+02							
INORG	Molybdenum	7439-98-7		2.00E+01							
INORG	Nickel	7440-02-0		6.50E+01							
INORG	Thallium	7440-28-0		7.10E+01							
INORG	Vanadium	7440-62-2		1.00E+03							
INORG	Zinc	7440-66-6		6.20E+01							
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	3.37E+06		3.06E-03	4.06E-01	6.91E-05	2.62E-02	9.95E-07	8.08E-09	2.89E-08

Notes:

Soil bulk density	kg/L	ρ_b	1.49
Soil porosity	L/L-soil	θ	0.44
Soil water content	L/L-soil	θ_w	0.17
Soil air-filled porosity	L/L-soil	θ_a	0.27
Soil organic carbon fraction	unitless	f_{oc}	0.002
Averaging period (Exposure Duration)	years	T	10
	days	T	3650
Temperature	°C	Temp	24
Clean soil above source	m	Z_1	
Bottom of source depth	m	Z_2	12.80

Based on the volatilization model developed by Jury et. al. (1983) for finite sources as described in USEPA's (1996) Soil Screening Guidance: Technical Background Document.
The K_d for organic compounds is the K_{oc} times the f_{oc}.

Attachment E-4
Table 2
Dispersion Factor to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Value
Correlation coefficient city		90th% (LA)
Correlation coefficient A		11.9110
Correlation coefficient B		18.4385
Correlation coefficient C		209.7845

Soil source area	acres	33
Soil C/Q averaging time		Annual Max
Conversion factor from 1-Hr Max for soil		0.19
C/Q for soil	$(kg/m^3)/(kg/m^2\text{-}s)$	**28.96**

Note:
C/Q is estimated using the empirical correlation in USEPA's (2002) Supplemental Soil Screening Guidance.

Attachment E-4
Table 3
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
VOC	Acetone	67-64-1	1.00E+00	2.32E-04	1.00E+00	5.00E-08
VOC	Benzene	71-43-2	1.00E+00	1.15E-03	1.00E+00	5.00E-08
VOC	Benzyl chloride	100-44-7	1.00E+00	4.34E-04	1.00E+00	5.00E-08
VOC	Bromobenzene	108-86-1	1.00E+00	5.11E-04	1.00E+00	5.00E-08
VOC	Bromochloromethane	74-97-5	1.00E+00	9.06E-04	1.00E+00	5.00E-08
VOC	Bromodichloromethane	75-27-4	1.00E+00	5.06E-04	1.00E+00	5.00E-08
VOC	Bromoform	75-25-2	1.00E+00	1.86E-04	1.00E+00	5.00E-08
VOC	Bromomethane	74-83-9	1.00E+00	1.24E-03	1.00E+00	5.00E-08
VOC	2-Butanone	78-93-3	1.00E+00	2.48E-04	1.00E+00	5.00E-08
VOC	Butylbenzene	104-51-8	1.00E+00	4.10E-04	1.00E+00	5.00E-08
VOC	sec-Butylbenzene	135-98-8	1.00E+00	2.90E-04	1.00E+00	5.00E-08
VOC	tert-Butylbenzene	98-06-6	1.00E+00	4.31E-04	1.00E+00	5.00E-08
VOC	Carbon Disulfide	75-15-0	1.00E+00	1.44E-03	1.00E+00	5.00E-08
VOC	Carbon Tetrachloride	56-23-5	1.00E+00	1.31E-03	1.00E+00	5.00E-08
VOC	Chlorobenzene	108-90-7	1.00E+00	7.42E-04	1.00E+00	5.00E-08
VOC	Chloroethane	75-00-3	1.00E+00	1.53E-03	1.00E+00	5.00E-08
VOC	Chloroform	67-66-3	1.00E+00	1.14E-03	1.00E+00	5.00E-08
VOC	Chloromethane	74-87-3	1.00E+00	1.37E-03	1.00E+00	5.00E-08
VOC	2-Chlorotoluene	95-49-8	1.00E+00	5.09E-04	1.00E+00	5.00E-08
VOC	4-Chlorotoluene	106-43-4	1.00E+00	5.25E-04	1.00E+00	5.00E-08
VOC	Cumene	98-82-8	1.00E+00	7.73E-04	1.00E+00	5.00E-08
VOC	p-Cymene	99-87-6	1.00E+00	3.94E-04	1.00E+00	5.00E-08
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.00E+00	2.15E-04	1.00E+00	5.00E-08
VOC	Dibromochloromethane	124-48-1	1.00E+00	2.84E-04	1.00E+00	5.00E-08
VOC	1,2-Dibromoethane	106-93-4	1.00E+00	5.28E-04	1.00E+00	5.00E-08
VOC	Dibromomethane	74-95-3	1.00E+00	7.89E-04	1.00E+00	5.00E-08
VOC	1,2-Dichlorobenzene	95-50-1	1.00E+00	3.46E-04	1.00E+00	5.00E-08
VOC	1,3-Dichlorobenzene	541-73-1	1.00E+00	5.30E-04	1.00E+00	5.00E-08
VOC	1,4-Dichlorobenzene	106-46-7	1.00E+00	3.94E-04	1.00E+00	5.00E-08
VOC	Dichlorodifluoromethane	75-71-8	1.00E+00	1.49E-03	1.00E+00	5.00E-08
VOC	1,1-Dichloroethane	75-34-3	1.00E+00	1.17E-03	1.00E+00	5.00E-08
VOC	1,2-Dichloroethane	107-06-2	1.00E+00	8.49E-04	1.00E+00	5.00E-08
VOC	1,1-Dichloroethene	75-35-4	1.00E+00	1.40E-03	1.00E+00	5.00E-08
VOC	cis-1,2-Dichloroethene	156-59-2	1.00E+00	1.08E-03	1.00E+00	5.00E-08
VOC	trans-1,2-Dichloroethene	156-60-5	1.00E+00	1.22E-03	1.00E+00	5.00E-08
VOC	1,2-Dichloropropane	78-87-5	1.00E+00	9.79E-04	1.00E+00	5.00E-08
VOC	1,3-Dichloropropane	142-28-9	1.00E+00	3.02E-05	1.00E+00	5.00E-08
VOC	2,2-Dichloropropane	594-20-7	1.00E+00	1.15E-03	1.00E+00	5.00E-08
VOC	1,1-Dichloropropene	563-58-6	1.00E+00		1.00E+00	5.00E-08
VOC	1,3-Dichloropropene (total)	542-75-6	1.00E+00	1.30E-03	1.00E+00	5.00E-08
VOC	Diisopropyl ether	108-20-3	1.00E+00	2.99E-04	1.00E+00	5.00E-08
VOC	1,1-Difluoroethane	75-37-6	1.00E+00		1.00E+00	5.00E-08
VOC	Ethyl Benzene	100-41-4	1.00E+00	8.48E-04	1.00E+00	5.00E-08
VOC	Ethyl tert-butyl ether	637-92-3	1.00E+00		1.00E+00	5.00E-08
VOC	4-Ethyltoluene	622-96-8	1.00E+00	4.55E-04	1.00E+00	5.00E-08
VOC	Freon 114	76-14-2	1.00E+00		1.00E+00	5.00E-08
VOC	2-Hexanone	591-78-6	1.00E+00	2.96E-04	1.00E+00	5.00E-08
VOC	Isobutane	75-28-5	1.00E+00		1.00E+00	5.00E-08
VOC	Isopropanol	67-63-0	1.00E+00	1.03E-04	1.00E+00	5.00E-08
VOC	Methyl tert-butyl ether	1634-04-4	1.00E+00	6.63E-04	1.00E+00	5.00E-08
VOC	4-Methyl-2-pentanone	108-10-1	1.00E+00	3.53E-04	1.00E+00	5.00E-08
VOC	Methylene Chloride	75-09-2	1.00E+00	1.09E-03	1.00E+00	5.00E-08
VOC	Propylbenzene	103-65-1	1.00E+00	5.92E-04	1.00E+00	5.00E-08
VOC	Styrene	100-42-5	1.00E+00	3.82E-04	1.00E+00	5.00E-08
VOC	tert Butyl alcohol	75-65-0	1.00E+00	1.39E-04	1.00E+00	5.00E-08
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.00E+00	6.18E-04	1.00E+00	5.00E-08
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.00E+00	3.18E-04	1.00E+00	5.00E-08
VOC	Tetrachloroethene	127-18-4	1.00E+00	1.22E-03	1.00E+00	5.00E-08
VOC	Toluene	108-88-3	1.00E+00	1.01E-03	1.00E+00	5.00E-08
VOC	1,2,3-Trichlorobenzene	87-61-6	1.00E+00	9.71E-05	1.00E+00	5.00E-08
VOC	1,2,4-Trichlorobenzene	120-82-1	1.00E+00	1.19E-04	1.00E+00	5.00E-08
VOC	1,1,1-Trichloroethane	71-55-6	1.00E+00	1.27E-03	1.00E+00	5.00E-08
VOC	1,1,2-Trichloroethane	79-00-5	1.00E+00	6.30E-04	1.00E+00	5.00E-08
VOC	Trichloroethene	79-01-6	1.00E+00	1.11E-03	1.00E+00	5.00E-08
VOC	Trichlorofluoromethane	75-69-4	1.00E+00	1.46E-03	1.00E+00	5.00E-08
VOC	1,2,3-Trichloropropane	96-18-4	1.00E+00	4.46E-04	1.00E+00	5.00E-08
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.00E+00	1.47E-03	1.00E+00	5.00E-08
VOC	1,2,4-Trimethylbenzene	95-63-6	1.00E+00	4.88E-04	1.00E+00	5.00E-08
VOC	1,3,5-Trimethylbenzene	108-67-8	1.00E+00	3.47E-04	1.00E+00	5.00E-08
VOC	Vinyl Acetate	108-05-4	1.00E+00	6.47E-04	1.00E+00	5.00E-08
VOC	Vinyl Chloride	75-01-4	1.00E+00	1.46E-03	1.00E+00	5.00E-08
VOC	Xylenes (total)	1330-20-7	1.00E+00	8.70E-04	1.00E+00	5.00E-08
SVOC	t-Amyl methyl ether	994-05-8	1.00E+00		1.00E+00	5.00E-08
SVOC	Hexachlorobutadiene	87-68-3	1.00E+00	7.29E-05	1.00E+00	5.00E-08
SVOC	Naphthalene	91-20-3	1.00E+00	9.26E-05	1.00E+00	5.00E-08
PEST	Chlordane (total)	57-74-9	1.00E+00	1.72E-06	1.00E+00	5.00E-08
PEST	4,4'-DDE	72-55-9	1.00E+00	2.13E-07	1.00E+00	5.00E-08
PEST	4,4'-DDT	50-29-3	1.00E+00	1.75E-07	1.00E+00	5.00E-08
PEST	Dieldrin	60-57-1	1.00E+00	2.43E-06	1.00E+00	5.00E-08

Attachment E-4
Table 3
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
PEST	Toxaphene	8001-35-2	1.00E+00	4.72E-07	1.00E+00	5.00E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.00E+00	1.43E-03	1.00E+00	5.00E-08
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.00E+00	1.43E-03	1.00E+00	5.00E-08
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.00E+00	1.48E-03	1.00E+00	5.00E-08
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.00E+00	1.48E-03	1.00E+00	5.00E-08
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.00E+00		1.00E+00	5.00E-08
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.00E+00		1.00E+00	5.00E-08
PCB	Aroclor-1254	11097-69-1	1.00E+00	4.05E-06	1.00E+00	5.00E-08
PCB	Aroclor-1260	11096-82-5	1.00E+00	5.78E-06	1.00E+00	5.00E-08
PCB	Aroclor-1268	11100-14-4	1.00E+00		1.00E+00	5.00E-08
INORG	Arsenic	7440-38-2	1.00E+00		1.00E+00	5.00E-08
INORG	Barium	7440-39-3	1.00E+00		1.00E+00	5.00E-08
INORG	Beryllium	7440-41-7	1.00E+00		1.00E+00	5.00E-08
INORG	Cadmium	7440-43-9	1.00E+00		1.00E+00	5.00E-08
INORG	Chromium (total)	7440-47-3	1.00E+00		1.00E+00	5.00E-08
INORG	Cobalt	7440-48-4	1.00E+00		1.00E+00	5.00E-08
INORG	Copper	7440-50-8	1.00E+00		1.00E+00	5.00E-08
INORG	Lead	7439-92-1	1.00E+00		1.00E+00	5.00E-08
INORG	Molybdenum	7439-98-7	1.00E+00		1.00E+00	5.00E-08
INORG	Nickel	7440-02-0	1.00E+00		1.00E+00	5.00E-08
INORG	Thallium	7440-28-0	1.00E+00		1.00E+00	5.00E-08
INORG	Vanadium	7440-62-2	1.00E+00		1.00E+00	5.00E-08
INORG	Zinc	7440-66-6	1.00E+00		1.00E+00	5.00E-08
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.00E+00	8.38E-07	1.00E+00	5.00E-08

Attachment E-4
Table 4a
Cancer-Based RBSLs for Exposure of Maintenance Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		1.5E-08							2.3E-04			5.0E-08			
VOC	Benzene	71-43-2	1.0E+00		1.5E-08	1.0E-01	6.8E+02			1.0E-01		1.2E-03	2.9E-02	7.7E+00	5.0E-08	2.9E-02	1.8E+05	7.6E+00
VOC	Benzyl chloride	100-44-7	1.0E+00		1.5E-08	1.7E-01	4.0E+02			1.7E-01		4.3E-04	4.9E-02	1.2E+01	5.0E-08	4.9E-02	1.0E+05	1.2E+01
VOC	Bromobenzene	108-86-1	1.0E+00		1.5E-08							5.1E-04			5.0E-08			
VOC	Bromochloromethane	74-97-5	1.0E+00		1.5E-08							9.1E-04			5.0E-08			
VOC	Bromodichloromethane	75-27-4	1.0E+00		1.5E-08	6.2E-02	1.1E+03			6.2E-02		5.1E-04	3.7E-02	1.4E+01	5.0E-08	3.7E-02	1.4E+05	1.3E+01
VOC	Bromoform	75-25-2	1.0E+00		1.5E-08	7.9E-03	8.6E+03			7.9E-03		1.9E-04	1.1E-03	1.3E+03	5.0E-08	1.1E-03	4.6E+06	1.1E+03
VOC	Bromomethane	74-83-9	1.0E+00		1.5E-08							1.2E-03			5.0E-08			
VOC	2-Butanone	78-93-3	1.0E+00		1.5E-08							2.5E-04			5.0E-08			
VOC	Butylbenzene	104-51-8	1.0E+00		1.5E-08							4.1E-04			5.0E-08			
VOC	sec-Butylbenzene	135-98-8	1.0E+00		1.5E-08							2.9E-04			5.0E-08			
VOC	tert-Butylbenzene	98-06-6	1.0E+00		1.5E-08							4.3E-04			5.0E-08			
VOC	Carbon Disulfide	75-15-0	1.0E+00		1.5E-08							1.4E-03			5.0E-08			
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		1.5E-08	7.0E-02	9.7E+02			7.0E-02		1.3E-03	6.0E-03	3.3E+01	5.0E-08	6.0E-03	8.5E+05	3.2E+01
VOC	Chlorobenzene	108-90-7	1.0E+00		1.5E-08							7.4E-04			5.0E-08			
VOC	Chloroethane	75-00-3	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
VOC	Chloroform	67-66-3	1.0E+00		1.5E-08	3.1E-02	2.2E+03			3.1E-02		1.1E-03	2.3E-02	9.7E+00	5.0E-08	2.3E-02	2.2E+05	9.7E+00
VOC	Chloromethane	74-87-3	1.0E+00		1.5E-08							1.4E-03			5.0E-08			
VOC	2-Chlorotoluene	95-49-8	1.0E+00		1.5E-08							5.1E-04			5.0E-08			
VOC	4-Chlorotoluene	106-43-4	1.0E+00		1.5E-08							5.3E-04			5.0E-08			
VOC	Cumene	98-82-8	1.0E+00		1.5E-08							7.7E-04			5.0E-08			
VOC	p-Cymene	99-87-6	1.0E+00		1.5E-08							3.9E-04			5.0E-08			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		1.5E-08	7.0E+00	9.7E+00			7.0E+00		2.2E-04	6.0E+00	2.0E-01	5.0E-08	6.0E+00	8.5E+02	1.9E-01
VOC	Dibromochloromethane	124-48-1	1.0E+00		1.5E-08	8.4E-02	8.1E+02			8.4E-02		2.8E-04	2.1E-02	4.3E+01	5.0E-08	2.1E-02	2.4E+05	4.1E+01
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		1.5E-08	2.0E+00	3.4E+01			2.0E+00		5.3E-04	6.0E-01	8.1E-01	5.0E-08	6.0E-01	8.5E+03	7.9E-01
VOC	Dibromomethane	74-95-3	1.0E+00		1.5E-08							7.9E-04			5.0E-08			
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		1.5E-08							3.5E-04			5.0E-08			
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		1.5E-08							5.3E-04			5.0E-08			
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		1.5E-08	5.4E-03	1.3E+04			5.4E-03		3.9E-04	1.1E-02	5.9E+01	5.0E-08	1.1E-02	4.6E+05	5.9E+01
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		1.5E-08	5.7E-03	1.2E+04			5.7E-03		1.2E-03	1.6E-03	1.4E+02	5.0E-08	1.6E-03	3.2E+06	1.4E+02
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		1.5E-08	9.1E-02	7.5E+02			9.1E-02		8.5E-04	2.6E-02	1.2E+01	5.0E-08	2.6E-02	2.0E+05	1.1E+01
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		1.5E-08							1.4E-03			5.0E-08			
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		1.5E-08							1.1E-03			5.0E-08			
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		1.5E-08							1.2E-03			5.0E-08			
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		1.5E-08	3.7E-02	1.8E+03			3.7E-02		9.8E-04	3.7E-03	7.1E+01	5.0E-08	3.7E-03	1.4E+06	6.8E+01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		1.5E-08							3.0E-05			5.0E-08			
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		1.5E-08							1.1E-03			5.0E-08			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		1.5E-08										5.0E-08			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		1.5E-08	1.0E-01	6.8E+02			1.0E-01		1.3E-03	4.0E-03	4.9E+01	5.0E-08	4.0E-03	1.3E+06	4.6E+01
VOC	Diisopropyl ether	108-20-3	1.0E+00		1.5E-08							3.0E-04			5.0E-08			
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		1.5E-08										5.0E-08			
VOC	Ethyl Benzene	100-41-4	1.0E+00		1.5E-08	1.1E-02	6.2E+03			1.1E-02		8.5E-04	2.5E-03	1.2E+02	5.0E-08	2.5E-03	2.0E+06	1.2E+02
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		1.5E-08										5.0E-08			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		1.5E-08							4.6E-04			5.0E-08			
VOC	Freon 114	76-14-2	1.0E+00		1.5E-08										5.0E-08			
VOC	2-Hexanone	591-78-6	1.0E+00		1.5E-08							3.0E-04			5.0E-08			
VOC	Isobutane	75-28-5	1.0E+00		1.5E-08										5.0E-08			
VOC	Isopropanol	67-63-0	1.0E+00		1.5E-08							1.0E-04			5.0E-08			
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		1.5E-08	1.8E-03	3.8E+04			1.8E-03		6.6E-04	2.6E-04	1.5E+03	5.0E-08	2.6E-04	2.0E+07	1.4E+03
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		1.5E-08							3.5E-04			5.0E-08			

Attachment E-4
Table 4a
Cancer-Based RBSLs for Exposure of Maintenance Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Methylene Chloride	75-09-2	1.0E+00		1.5E-08	2.0E-03	3.4E+04			2.0E-03		1.1E-03	1.0E-03	2.3E+02	5.0E-08	1.0E-03	5.1E+06	2.3E+02
VOC	Propylbenzene	103-65-1	1.0E+00		1.5E-08							5.9E-04			5.0E-08			
VOC	Styrene	100-42-5	1.0E+00		1.5E-08							3.8E-04			5.0E-08			
VOC	tert Butyl alcohol	75-65-0	1.0E+00		1.5E-08	5.0E-04	1.4E+05			5.0E-04		1.4E-04			5.0E-08			1.4E+05
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		1.5E-08	2.6E-02	2.6E+03			2.6E-02		6.2E-04	7.4E-03	5.6E+01	5.0E-08	7.4E-03	6.9E+05	5.5E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		1.5E-08	2.0E-01	3.4E+02			2.0E-01		3.2E-04	5.8E-02	1.4E+01	5.0E-08	5.8E-02	8.8E+04	1.3E+01
VOC	Tetrachloroethene	127-18-4	1.0E+00		1.5E-08	5.4E-01	1.3E+02			5.4E-01		1.2E-03	6.1E-03	3.4E+01	5.0E-08	6.1E-03	8.4E+05	2.7E+01
VOC	Toluene	108-88-3	1.0E+00		1.5E-08							1.0E-03			5.0E-08			
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		1.5E-08							9.7E-05			5.0E-08			
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		1.5E-08	2.9E-02	2.3E+03			2.9E-02		1.2E-04	7.3E-03	2.9E+02	5.0E-08	7.3E-03	7.0E+05	2.6E+02
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		1.5E-08							1.3E-03			5.0E-08			
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		1.5E-08	5.7E-02	1.2E+03			5.7E-02		6.3E-04	1.6E-02	2.5E+01	5.0E-08	1.6E-02	3.2E+05	2.5E+01
VOC	Trichloroethene	79-01-6	1.0E+00		1.5E-08	4.6E-02	1.5E+03			4.6E-02		1.1E-03	4.1E-03	5.6E+01	5.0E-08	4.1E-03	1.2E+06	5.4E+01
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		1.5E-08	3.0E+01	2.3E+00			3.0E+01		4.5E-04	7.5E+00	7.6E-02	5.0E-08	7.5E+00	6.8E+02	7.4E-02
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		1.5E-08							4.9E-04			5.0E-08			
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		1.5E-08							3.5E-04			5.0E-08			
VOC	Vinyl Acetate	108-05-4	1.0E+00		1.5E-08							6.5E-04			5.0E-08			
VOC	Vinyl Chloride	75-01-4	1.0E+00		1.5E-08	7.2E-01	9.5E+01			7.2E-01		1.5E-03	7.8E-02	2.2E+00	5.0E-08	7.8E-02	6.6E+04	2.2E+00
VOC	Xylenes (total)	1330-20-7	1.0E+00		1.5E-08							8.7E-04			5.0E-08			
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		1.5E-08										5.0E-08			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		1.5E-08	7.8E-02	8.7E+02	1.00E-01	1.77E-08	7.8E-02	7.2E+02	7.3E-05	2.2E-02	1.6E+02	5.0E-08	2.2E-02	2.3E+05	1.1E+02
SVOC	Naphthalene	91-20-3	1.0E+00		1.5E-08	1.2E-01	5.7E+02	1.30E-01	2.30E-08	1.2E-01	3.6E+02	9.3E-05	3.4E-02	8.1E+01	5.0E-08	3.4E-02	1.5E+05	5.9E+01
PEST	Chlordane (total)	57-74-9	1.0E+00		1.5E-08	3.5E-01	1.9E+02	4.00E-02	7.08E-09	3.5E-01	4.0E+02	1.7E-06	1.0E-01	1.5E+03	5.0E-08	1.0E-01	5.1E+04	1.2E+02
PEST	4,4'-DDE	72-55-9	1.0E+00		1.5E-08	3.4E-01	2.0E+02	3.00E-02	5.31E-09	3.4E-01	5.5E+02	2.1E-07	9.7E-02	1.2E+04	5.0E-08	9.7E-02	5.3E+04	1.5E+02
PEST	4,4'-DDT	50-29-3	1.0E+00		1.5E-08	3.4E-01	2.0E+02	3.00E-02	5.31E-09	3.4E-01	5.5E+02	1.7E-07	9.7E-02	1.5E+04	5.0E-08	9.7E-02	5.3E+04	1.5E+02
PEST	Dieldrin	60-57-1	1.0E+00		1.5E-08	1.6E+01	4.3E+00	1.00E-01	1.77E-08	1.6E+01	3.5E+00	2.4E-06	4.6E+00	2.3E+01	5.0E-08	4.6E+00	1.1E+03	1.8E+00
PEST	Toxaphene	8001-35-2	1.0E+00		1.5E-08	1.2E+00	5.7E+01	1.00E-01	1.77E-08	1.2E+00	4.7E+01	4.7E-07	3.2E-01	1.7E+03	5.0E-08	3.2E-01	1.6E+04	2.5E+01
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		1.5E-08							1.4E-03			5.0E-08			
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		1.5E-08							1.4E-03			5.0E-08			
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		1.5E-08							1.5E-03			5.0E-08			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		1.5E-08										5.0E-08			
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		1.5E-08										5.0E-08			
PCB	Aroclor-1254	11097-69-1	1.0E+00		1.5E-08	2.0E+00	3.4E+01	1.40E-01	2.48E-08	2.0E+00	2.0E+01	4.0E-06	5.7E-01	1.1E+02	5.0E-08	5.7E-01	9.0E+03	1.1E+01
PCB	Aroclor-1260	11096-82-5	1.0E+00		1.5E-08	2.0E+00	3.4E+01	1.40E-01	2.48E-08	2.0E+00	2.0E+01	5.8E-06	5.7E-01	7.8E+01	5.0E-08	5.7E-01	9.0E+03	1.1E+01
PCB	Aroclor-1268	11100-14-4	1.0E+00		1.5E-08	2.0E+00	3.4E+01	1.40E-01	2.48E-08	2.0E+00	2.0E+01		5.7E-01		5.0E-08	5.7E-01	8.9E+03	1.3E+01
INORG	Arsenic	7440-38-2	1.0E+00	0.6	1.5E-08	3.2E+01	3.5E+00	3.00E-02	5.31E-09	3.2E+01	5.9E+00		4.3E+00		5.0E-08	4.3E+00	1.2E+03	2.2E+00
INORG	Barium	7440-39-3	1.0E+00		1.5E-08										5.0E-08			
INORG	Beryllium	7440-41-7	1.0E+00		1.5E-08								2.4E+00		5.0E-08	2.4E+00	2.1E+03	2.1E+03
INORG	Cadmium	7440-43-9	1.0E+00		1.5E-08			1.00E-03	1.77E-10				4.2E+00		5.0E-08	4.2E+00	1.2E+03	1.2E+03
INORG	Chromium (total)	7440-47-3	1.0E+00		1.5E-08										5.0E-08			
INORG	Cobalt	7440-48-4	1.0E+00		1.5E-08								9.0E+00		5.0E-08	9.0E+00	5.7E+02	5.7E+02
INORG	Copper	7440-50-8	1.0E+00		1.5E-08										5.0E-08			
INORG	Lead	7439-92-1	1.0E+00		1.5E-08										5.0E-08			
INORG	Molybdenum	7439-98-7	1.0E+00		1.5E-08										5.0E-08			
INORG	Nickel	7440-02-0	1.0E+00		1.5E-08								2.6E-01		5.0E-08	2.6E-01	2.0E+04	2.0E+04
INORG	Thallium	7440-28-0	1.0E+00		1.5E-08										5.0E-08			
INORG	Vanadium	7440-62-2	1.0E+00		1.5E-08										5.0E-08			
INORG	Zinc	7440-66-6	1.0E+00		1.5E-08										5.0E-08			

Attachment E-4
Table 4a
Cancer-Based RBSLs for Exposure of Maintenance Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	**Chemical**	**CASRN**	**C_{soil}** (mg/kg)	**RBA**	**LADD** (mg/kg/d)	**SF_{oral}** $(mg/kg/d)^{-1}$	**RBSL** (mg/kg)	**ABS_{derm}**	**LADD** (mg/kg/d)	**SF_{derm}** $(mg/kg/d)^{-1}$	**RBSL** (mg/kg)	**C_{air}** (mg/m^3)	**URF** (m^3/mg)	**RBSL** (mg/kg)	**C_{air}** (mg/m^3)	**URF** $(mg/m^3)^{-1}$	**RBSL** (mg/kg)	**RBSL** (mg/kg)
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		1.5E-08	1.3E+05	5.2E-04	3.00E-02	5.31E-09	1.3E+05	1.4E-03	8.4E-07	3.8E+04	8.0E-03	5.0E-08	3.8E+04	1.3E-01	3.7E-04

Notes:
The concentration of particulates in the air is assumed to be no more than the 24-hour average California Ambient Air Quality Standards for PM_{10} of 50 ug/m^3.
Cancer RBSLs are calculated at a target cancer risk of 1E-06.

Attachment E-4
Table 4b
Noncancer-Based RBSLs for Exposure of Maintenance Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		1.0E-07	9.0E-01	8.8E+06			9.0E-01		2.3E-04	3.1E+01	4.9E+06	5.0E-08	3.1E+01	2.3E+10	3.1E+06
VOC	Benzene	71-43-2	1.0E+00		1.0E-07	4.0E-03	3.9E+04			4.0E-03		1.2E-03	3.0E-03	9.5E+01	5.0E-08	3.0E-03	2.2E+06	9.5E+01
VOC	Benzyl chloride	100-44-7	1.0E+00		1.0E-07	2.0E-03	1.9E+04			2.0E-03		4.3E-04	1.0E-03	8.4E+01	5.0E-08	1.0E-03	7.3E+05	8.4E+01
VOC	Bromobenzene	108-86-1	1.0E+00		1.0E-07	8.0E-03	7.8E+04			8.0E-03		5.1E-04	6.0E-02	4.3E+03	5.0E-08	6.0E-02	4.4E+07	4.1E+03
VOC	Bromochloromethane	74-97-5	1.0E+00		1.0E-07							9.1E-04	4.0E-02	1.6E+03	5.0E-08	4.0E-02	2.9E+07	1.6E+03
VOC	Bromodichloromethane	75-27-4	1.0E+00		1.0E-07	8.0E-03	7.8E+04			8.0E-03		5.1E-04	3.2E-02	2.3E+03	5.0E-08	3.2E-02	2.3E+07	2.2E+03
VOC	Bromoform	75-25-2	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		1.9E-04	8.0E-02	1.6E+04	5.0E-08	8.0E-02	5.8E+07	1.5E+04
VOC	Bromomethane	74-83-9	1.0E+00		1.0E-07	1.4E-03	1.4E+04			1.4E-03		1.2E-03	5.0E-03	1.5E+02	5.0E-08	5.0E-03	3.7E+06	1.5E+02
VOC	2-Butanone	78-93-3	1.0E+00		1.0E-07	6.0E-01	5.8E+06			6.0E-01		2.5E-04	5.0E+00	7.3E+05	5.0E-08	5.0E+00	3.7E+09	6.5E+05
VOC	Butylbenzene	104-51-8	1.0E+00		1.0E-07	5.0E-02	4.9E+05			5.0E-02		4.1E-04	2.0E-01	1.8E+04	5.0E-08	2.0E-01	1.5E+08	1.7E+04
VOC	sec-Butylbenzene	135-98-8	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		2.9E-04	4.0E-01	5.0E+04	5.0E-08	4.0E-01	2.9E+08	4.8E+04
VOC	tert-Butylbenzene	98-06-6	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		4.3E-04	4.0E-01	3.4E+04	5.0E-08	4.0E-01	2.9E+08	3.3E+04
VOC	Carbon Disulfide	75-15-0	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		1.4E-03	7.0E-01	1.8E+04	5.0E-08	7.0E-01	5.1E+08	1.7E+04
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		1.0E-07	4.0E-03	3.9E+04			4.0E-03		1.3E-03	4.0E-02	1.1E+03	5.0E-08	4.0E-02	2.9E+07	1.1E+03
VOC	Chlorobenzene	108-90-7	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		7.4E-04	5.0E-02	2.5E+03	5.0E-08	5.0E-02	3.7E+07	2.4E+03
VOC	Chloroethane	75-00-3	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		1.5E-03	4.0E+00	9.6E+04	5.0E-08	4.0E+00	2.9E+09	8.7E+04
VOC	Chloroform	67-66-3	1.0E+00		1.0E-07	1.0E-02	9.7E+04			1.0E-02		1.1E-03	2.0E-03	6.4E+01	5.0E-08	2.0E-03	1.5E+06	6.4E+01
VOC	Chloromethane	74-87-3	1.0E+00		1.0E-07							1.4E-03	9.0E-02	2.4E+03	5.0E-08	9.0E-02	6.6E+07	2.4E+03
VOC	2-Chlorotoluene	95-49-8	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		5.1E-04	8.0E-02	5.7E+03	5.0E-08	8.0E-02	5.8E+07	5.6E+03
VOC	4-Chlorotoluene	106-43-4	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		5.3E-04	8.0E-02	5.6E+03	5.0E-08	8.0E-02	5.8E+07	5.4E+03
VOC	Cumene	98-82-8	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		7.7E-04	4.0E-01	1.9E+04	5.0E-08	4.0E-01	2.9E+08	1.9E+04
VOC	p-Cymene	99-87-6	1.0E+00		1.0E-07							3.9E-04			5.0E-08			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		1.0E-07	2.0E-04	1.9E+03			2.0E-04		2.2E-04	2.0E-04	3.4E+01	5.0E-08	2.0E-04	1.5E+05	3.3E+01
VOC	Dibromochloromethane	124-48-1	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		2.8E-04	8.0E-02	1.0E+04	5.0E-08	8.0E-02	5.8E+07	9.8E+03
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		1.0E-07	9.0E-03	8.8E+04			9.0E-03		5.3E-04	8.0E-04	5.5E+01	5.0E-08	8.0E-04	5.8E+05	5.5E+01
VOC	Dibromomethane	74-95-3	1.0E+00		1.0E-07	9.0E-03	8.8E+04			9.0E-03		7.9E-04	4.0E-03	1.9E+02	5.0E-08	4.0E-03	2.9E+06	1.8E+02
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		1.0E-07	9.0E-02	8.8E+05			9.0E-02		3.5E-04	2.0E-01	2.1E+04	5.0E-08	2.0E-01	1.5E+08	2.1E+04
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		5.3E-04			5.0E-08			1.9E+05
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		1.0E-07	7.0E-02	6.8E+05			7.0E-02		3.9E-04	8.0E-01	7.4E+04	5.0E-08	8.0E-01	5.8E+08	6.7E+04
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		1.0E-07	2.0E-01	1.9E+06			2.0E-01		1.5E-03	1.0E-01	2.5E+03	5.0E-08	1.0E-01	7.3E+07	2.4E+03
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		1.0E-07	2.0E-01	1.9E+06			2.0E-01		1.2E-03	8.0E-01	2.5E+04	5.0E-08	8.0E-01	5.8E+08	2.5E+04
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		1.0E-07	6.0E-03	5.8E+04			6.0E-03		8.5E-04	7.0E-03	3.0E+02	5.0E-08	7.0E-03	5.1E+06	3.0E+02
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		1.0E-07	5.0E-02	4.9E+05			5.0E-02		1.4E-03	2.0E-01	5.2E+03	5.0E-08	2.0E-01	1.5E+08	5.2E+03
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		1.0E-07	2.0E-03	1.9E+04			2.0E-03		1.1E-03	4.0E-02	1.4E+03	5.0E-08	4.0E-02	2.9E+07	1.3E+03
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		1.2E-03	4.0E-02	1.2E+03	5.0E-08	4.0E-02	2.9E+07	1.2E+03
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		1.0E-07	4.0E-02	3.9E+05			4.0E-02		9.8E-04	4.0E-03	1.5E+02	5.0E-08	4.0E-03	2.9E+06	1.5E+02
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		3.0E-05	8.0E-02	9.7E+04	5.0E-08	8.0E-02	5.8E+07	6.5E+04
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		1.0E-07							1.1E-03			5.0E-08			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		1.0E-07										5.0E-08			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		1.0E-07	3.0E-02	2.9E+05			3.0E-02		1.3E-03	2.0E-02	5.6E+02	5.0E-08	2.0E-02	1.5E+07	5.6E+02
VOC	Diisopropyl ether	108-20-3	1.0E+00		1.0E-07							3.0E-04	7.0E-01	8.5E+04	5.0E-08	7.0E-01	5.1E+08	8.5E+04
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		1.0E-07								4.0E+01		5.0E-08	4.0E+01	2.9E+10	2.9E+10
VOC	Ethyl Benzene	100-41-4	1.0E+00		1.0E-07	5.0E-02	4.9E+05			5.0E-02		8.5E-04	1.0E+00	4.3E+04	5.0E-08	1.0E+00	7.3E+08	4.0E+04
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		1.0E-07										5.0E-08			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		1.0E-07							4.6E-04			5.0E-08			
VOC	Freon 114	76-14-2	1.0E+00		1.0E-07										5.0E-08			
VOC	2-Hexanone	591-78-6	1.0E+00		1.0E-07	5.0E-03	4.9E+04			5.0E-03		3.0E-04	3.0E-02	3.7E+03	5.0E-08	3.0E-02	2.2E+07	3.4E+03
VOC	Isobutane	75-28-5	1.0E+00		1.0E-07										5.0E-08			
VOC	Isopropanol	67-63-0	1.0E+00		1.0E-07	2.0E+00	1.9E+07			2.0E+00		1.0E-04	2.0E-01	7.1E+04	5.0E-08	2.0E-01	1.5E+08	7.0E+04
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		1.0E-07	4.0E-01	3.9E+06			4.0E-01		6.6E-04	3.0E+00	1.7E+05	5.0E-08	3.0E+00	2.2E+09	1.6E+05
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		1.0E-07							3.5E-04	3.0E+00	3.1E+05	5.0E-08	3.0E+00	2.2E+09	3.1E+05
VOC	Methylene Chloride	75-09-2	1.0E+00		1.0E-07	6.0E-03	5.8E+04			6.0E-03		1.1E-03	4.0E-01	1.3E+04	5.0E-08	4.0E-01	2.9E+08	1.1E+04
VOC	Propylbenzene	103-65-1	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		5.9E-04	1.0E+00	6.2E+04	5.0E-08	1.0E+00	7.3E+08	5.8E+04
VOC	Styrene	100-42-5	1.0E+00		1.0E-07	2.0E-01	1.9E+06			2.0E-01		3.8E-04	9.0E-01	8.6E+04	5.0E-08	9.0E-01	6.6E+08	8.2E+04
VOC	tert Butyl alcohol	75-65-0	1.0E+00		1.0E-07	4.0E-01	3.9E+06			4.0E-01		1.4E-04	5.0E+00	1.3E+06	5.0E-08	5.0E+00	3.7E+09	9.8E+05
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		1.0E-07	3.0E-02	2.9E+05			3.0E-02		6.2E-04	1.2E-01	7.1E+03	5.0E-08	1.2E-01	8.8E+07	6.9E+03

Attachment E-4
Table 4b
Noncancer-Based RBSLs for Exposure of Maintenance Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		1.0E-07	2.0E-02	1.9E+05			2.0E-02		3.2E-04	8.0E-02	9.2E+03	5.0E-08	8.0E-02	5.8E+07	8.8E+03
VOC	Tetrachloroethene	127-18-4	1.0E+00		1.0E-07	6.0E-03	5.8E+04			6.0E-03		1.2E-03	4.0E-02	1.2E+03	5.0E-08	4.0E-02	2.9E+07	1.2E+03
VOC	Toluene	108-88-3	1.0E+00		1.0E-07	8.0E-02	7.8E+05			8.0E-02		1.0E-03	4.2E-01	1.5E+04	5.0E-08	4.2E-01	3.1E+08	1.5E+04
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		1.0E-07	8.0E-04	7.8E+03			8.0E-04		9.7E-05	3.2E-03	1.2E+03	5.0E-08	3.2E-03	2.3E+06	1.0E+03
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		1.0E-07	1.0E-02	9.7E+04			1.0E-02		1.2E-04	2.0E-03	6.1E+02	5.0E-08	2.0E-03	1.5E+06	6.1E+02
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		1.0E-07	2.0E+00	1.9E+07			2.0E+00		1.3E-03	1.0E+00	2.9E+04	5.0E-08	1.0E+00	7.3E+08	2.9E+04
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		1.0E-07	4.0E-03	3.9E+04			4.0E-03		6.3E-04	2.0E-04	1.2E+01	5.0E-08	2.0E-04	1.5E+05	1.2E+01
VOC	Trichloroethene	79-01-6	1.0E+00		1.0E-07	5.0E-04	4.9E+03			5.0E-04		1.1E-03	2.0E-03	6.6E+01	5.0E-08	2.0E-03	1.5E+06	6.5E+01
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		1.0E-07	3.0E-01	2.9E+06			3.0E-01		1.5E-03	1.2E+00	3.0E+04	5.0E-08	1.2E+00	8.8E+08	3.0E+04
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		1.0E-07	4.0E-03	3.9E+04			4.0E-03		4.5E-04	3.0E-04	2.5E+01	5.0E-08	3.0E-04	2.2E+05	2.5E+01
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		1.0E-07	3.0E+01	2.9E+08			3.0E+01		1.5E-03	5.0E+00	1.2E+05	5.0E-08	5.0E+00	3.7E+09	1.2E+05
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		1.0E-07	1.0E-02	9.7E+04			1.0E-02		4.9E-04	6.0E-02	4.5E+03	5.0E-08	6.0E-02	4.4E+07	4.3E+03
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		1.0E-07	1.0E-02	9.7E+04			1.0E-02		3.5E-04	6.0E-02	6.3E+03	5.0E-08	6.0E-02	4.4E+07	5.9E+03
VOC	Vinyl Acetate	108-05-4	1.0E+00		1.0E-07	1.0E+00	9.7E+06			1.0E+00		6.5E-04	2.0E-01	1.1E+04	5.0E-08	2.0E-01	1.5E+08	1.1E+04
VOC	Vinyl Chloride	75-01-4	1.0E+00		1.0E-07	3.0E-03	2.9E+04			3.0E-03		1.5E-03	5.1E-02	1.3E+03	5.0E-08	5.1E-02	3.7E+07	1.2E+03
VOC	Xylenes (total)	1330-20-7	1.0E+00		1.0E-07	2.0E-01	1.9E+06			2.0E-01		8.7E-04	1.0E-01	4.2E+03	5.0E-08	1.0E-01	7.3E+07	4.2E+03
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		1.0E-07										5.0E-08			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		1.0E-07	1.0E-03	9.7E+03	1.0E-01	1.2E-07	1.0E-03	8.1E+03	7.3E-05	4.0E-03	2.0E+03	5.0E-08	4.0E-03	2.9E+06	1.4E+03
SVOC	Naphthalene	91-20-3	1.0E+00		1.0E-07	2.0E-02	1.9E+05	1.3E-01	1.6E-07	2.0E-02	1.2E+05	9.3E-05	3.0E-03	1.2E+03	5.0E-08	3.0E-03	2.2E+06	1.2E+03
PEST	Chlordane (total)	57-74-9	1.0E+00		1.0E-07	5.0E-04	4.9E+03	4.0E-02	5.0E-08	5.0E-04	1.0E+04	1.7E-06	7.0E-04	1.5E+04	5.0E-08	7.0E-04	5.1E+05	2.7E+03
PEST	4,4'-DDE	72-55-9	1.0E+00		1.0E-07	5.0E-04	4.9E+03	3.0E-02	3.7E-08	5.0E-04	1.3E+04	2.1E-07	2.0E-03	3.4E+05	5.0E-08	2.0E-03	1.5E+06	3.5E+03
PEST	4,4'-DDT	50-29-3	1.0E+00		1.0E-07	5.0E-04	4.9E+03	3.0E-02	3.7E-08	5.0E-04	1.3E+04	1.7E-07			5.0E-08			3.6E+03
PEST	Dieldrin	60-57-1	1.0E+00		1.0E-07	5.0E-05	4.9E+02	1.0E-01	1.2E-07	5.0E-05	4.0E+02	2.4E-06	2.0E-04	3.0E+03	5.0E-08	2.0E-04	1.5E+05	2.1E+02
PEST	Toxaphene	8001-35-2	1.0E+00		1.0E-07	9.0E-05	8.8E+02	1.0E-01	1.2E-07	9.0E-05	7.3E+02	4.7E-07			5.0E-08			4.0E+02
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		1.0E-07	1.0E-01	9.7E+05			1.0E-01		1.4E-03	2.0E-01	5.1E+03	5.0E-08	2.0E-01	1.5E+08	5.1E+03
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		1.0E-07	4.0E-03	3.9E+04			4.0E-03		1.4E-03	5.0E-02	1.3E+03	5.0E-08	5.0E-02	3.7E+07	1.2E+03
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		1.0E-07	4.0E-02	3.9E+05			4.0E-02		1.5E-03	7.0E-01	1.7E+04	5.0E-08	7.0E-01	5.1E+08	1.7E+04
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		1.0E-07							1.5E-03			5.0E-08			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		1.0E-07	2.0E+00	1.9E+07			2.0E+00					5.0E-08			1.9E+07
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		1.0E-07	3.0E-02	2.9E+05			3.0E-02					5.0E-08			2.9E+05
PCB	Aroclor-1254	11097-69-1	1.0E+00		1.0E-07	2.0E-05	1.9E+02	1.4E-01	1.7E-07	2.0E-05	1.2E+02	4.0E-06	8.0E-05	7.2E+02	5.0E-08	8.0E-05	5.8E+04	6.6E+01
PCB	Aroclor-1260	11096-82-5	1.0E+00		1.0E-07	2.0E-05	1.9E+02	1.4E-01	1.7E-07	2.0E-05	1.2E+02	5.8E-06	8.0E-05	5.0E+02	5.0E-08	8.0E-05	5.8E+04	6.3E+01
PCB	Aroclor-1268	11100-14-4	1.0E+00		1.0E-07	2.0E-05	1.9E+02	1.4E-01	1.7E-07	2.0E-05	1.2E+02		8.0E-05		5.0E-08	8.0E-05	5.8E+04	7.2E+01
INORG	Arsenic	7440-38-2	1.0E+00	0.6	1.0E-07	3.5E-06	5.7E+01	3.0E-02	3.7E-08	3.5E-06	9.4E+01		1.5E-05		5.0E-08	1.5E-05	1.1E+04	3.5E+01
INORG	Barium	7440-39-3	1.0E+00		1.0E-07	2.0E-01	1.9E+06			1.4E-02			5.0E-04		5.0E-08	5.0E-04	3.7E+05	3.1E+05
INORG	Beryllium	7440-41-7	1.0E+00		1.0E-07	2.0E-04	1.9E+03			1.4E-06			7.0E-06		5.0E-08	7.0E-06	5.1E+03	1.4E+03
INORG	Cadmium	7440-43-9	1.0E+00		1.0E-07	1.0E-04	9.7E+02	1.0E-03	1.2E-09	2.5E-06	2.0E+03		1.0E-05		5.0E-08	1.0E-05	7.3E+03	6.0E+02
INORG	Chromium (total)	7440-47-3	1.0E+00		1.0E-07	1.5E+00	1.5E+07			2.0E-02			5.0E-03		5.0E-08	5.0E-03	3.7E+06	2.9E+06
INORG	Cobalt	7440-48-4	1.0E+00		1.0E-07	3.0E-04	2.9E+03			3.0E-04			6.0E-06		5.0E-08	6.0E-06	4.4E+03	1.8E+03
INORG	Copper	7440-50-8	1.0E+00		1.0E-07	4.0E-02	3.9E+05			4.0E-02					5.0E-08			3.9E+05
INORG	Lead	7439-92-1	1.0E+00		1.0E-07										5.0E-08			
INORG	Molybdenum	7439-98-7	1.0E+00		1.0E-07	5.0E-03	4.9E+04			5.0E-03			2.0E-03		5.0E-08	2.0E-03	1.5E+06	4.7E+04
INORG	Nickel	7440-02-0	1.0E+00		1.0E-07	1.1E-02	1.1E+05			4.4E-04			1.4E-05		5.0E-08	1.4E-05	1.0E+04	9.3E+03
INORG	Thallium	7440-28-0	1.0E+00		1.0E-07	1.0E-05	9.7E+01			1.0E-05					5.0E-08			9.7E+01
INORG	Vanadium	7440-62-2	1.0E+00		1.0E-07	5.0E-03	4.9E+04			1.3E-04			1.0E-04		5.0E-08	1.0E-04	7.3E+04	2.9E+04
INORG	Zinc	7440-66-6	1.0E+00		1.0E-07	3.0E-01	2.9E+06			3.0E-01					5.0E-08			2.9E+06
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		1.0E-07	7.0E-10	6.8E-03	3.0E-02	3.7E-08	7.0E-10	1.9E-02	8.4E-07	4.0E-08	1.7E+00	5.0E-08	4.0E-08	2.9E+01	5.0E-03

Notes:
The concentration of particulates in the air is assumed to be no more than the 24-hour average California Ambient Air Quality Standards for PM_{10} of 50 ug/m^3.
Noncancer RBSLs are calculated at a target HQ of 1.

Attachment 5

Construction Worker Risk Based Screening Level Calculations

Table 1 – Normalized Average Vapor Flux from Soil to Outdoor Air

Table 2 – Dispersion Factor to Outdoor Air

Table 3 – Concentrations in Outdoor Air from Soil

Table 4a –Cancer-Based RBSLs for Exposure of Construction Workers to Soil

Table 4b –Noncancer-Based RBSLs for Exposure of Construction Workers to Soil

Attachment E-5
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
VOC	Acetone	67-64-1	5.81E-01		1.53E-03	1.07E+00	9.85E-05	6.90E-02	1.42E-06	6.18E-04	2.53E-05
VOC	Benzene	71-43-2	5.82E+01		2.19E-01	7.60E-01	8.47E-05	4.90E-02	1.22E-06	2.66E-02	1.66E-04
VOC	Benzyl chloride	100-44-7	7.94E+01		2.14E-02	6.48E-01	6.74E-05	4.17E-02	9.70E-07	2.16E-03	4.74E-05
VOC	Bromobenzene	108-86-1	2.79E+02		1.04E-01	4.64E-01	8.04E-05	2.99E-02	1.16E-06	3.02E-03	5.60E-05
VOC	Bromochloromethane	74-97-5	1.57E+01		7.05E-02	5.94E-01	8.64E-05	3.83E-02	1.24E-06	1.14E-02	1.09E-04
VOC	Bromodichloromethane	75-27-4	5.51E+01		6.27E-02	2.57E-01	9.16E-05	1.66E-02	1.32E-06	2.96E-03	5.54E-05
VOC	Bromoform	75-25-2	8.70E+01		2.07E-02	1.29E-01	8.90E-05	8.29E-03	1.28E-06	3.96E-04	2.03E-05
VOC	Bromomethane	74-83-9	1.05E+01		2.49E-01	6.29E-01	1.05E-04	4.05E-02	1.50E-06	3.75E-02	1.96E-04
VOC	2-Butanone	78-93-3	2.00E+00		2.78E-03	6.98E-01	8.47E-05	4.50E-02	1.22E-06	7.10E-04	2.71E-05
VOC	Butylbenzene	104-51-8	2.54E+03		4.80E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	1.94E-03	4.48E-05
VOC	sec-Butylbenzene	135-98-8	2.73E+03		2.55E-01	4.92E-01	7.02E-05	3.17E-02	1.01E-06	9.67E-04	3.17E-05
VOC	tert-Butylbenzene	98-06-6	2.15E+03		4.55E-01	4.88E-01	6.93E-05	3.14E-02	9.97E-07	2.13E-03	4.70E-05
VOC	Carbon Disulfide	75-15-0	4.59E+01		1.20E+00	8.99E-01	8.64E-05	5.79E-02	1.24E-06	1.10E-01	3.09E-04
VOC	Carbon Tetrachloride	56-23-5	1.74E+02		1.20E+00	6.74E-01	7.60E-05	4.34E-02	1.09E-06	5.16E-02	2.27E-04
VOC	Chlorobenzene	108-90-7	2.20E+02		1.44E-01	6.31E-01	7.52E-05	4.06E-02	1.08E-06	6.77E-03	8.38E-05
VOC	Chloroethane	75-00-3	1.62E+01		5.11E-01	2.34E+00	9.94E-05	1.51E-01	1.43E-06	2.16E-01	3.78E-04
VOC	Chloroform	67-66-3	3.97E+01		1.44E-01	8.99E-01	8.64E-05	5.79E-02	1.24E-06	2.55E-02	1.62E-04
VOC	Chloromethane	74-87-3	3.97E+01		3.95E-01	1.09E+00	5.62E-05	7.01E-02	8.08E-07	7.01E-02	2.60E-04
VOC	2-Chlorotoluene	95-49-8	6.12E+02		1.75E-01	5.43E-01	7.52E-05	3.50E-02	1.08E-06	2.99E-03	5.57E-05
VOC	4-Chlorotoluene	106-43-4	7.57E+02		2.28E-01	5.40E-01	7.47E-05	3.48E-02	1.08E-06	3.19E-03	5.75E-05
VOC	Cumene	98-82-8	7.05E+02		4.97E-01	5.62E-01	6.13E-05	3.62E-02	8.83E-07	7.48E-03	8.81E-05
VOC	p-Cymene	99-87-6	2.11E+03		3.76E-01	4.84E-01	6.33E-05	3.12E-02	9.11E-07	1.79E-03	4.30E-05
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.45E+02		7.19E-03	6.91E-01	6.91E-05	4.45E-02	9.95E-07	5.31E-04	2.35E-05
VOC	Dibromochloromethane	124-48-1	6.26E+01		3.10E-02	1.69E-01	9.07E-05	1.09E-02	1.31E-06	9.28E-04	3.10E-05
VOC	1,2-Dibromoethane	106-93-4	2.22E+01		3.30E-02	3.72E-01	7.29E-05	2.39E-02	1.05E-06	3.22E-03	5.78E-05
VOC	Dibromomethane	74-95-3	1.95E+01		4.25E-02	6.91E-01	6.91E-05	4.45E-02	9.95E-07	7.87E-03	9.04E-05
VOC	1,2-Dichlorobenzene	95-50-1	6.23E+02		7.32E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.37E-03	3.77E-05
VOC	1,3-Dichlorobenzene	541-73-1	5.69E+02		1.61E-01	5.98E-01	6.79E-05	3.85E-02	9.77E-07	3.25E-03	5.81E-05
VOC	1,4-Dichlorobenzene	106-46-7	6.12E+02		9.38E-02	5.96E-01	6.83E-05	3.84E-02	9.82E-07	1.78E-03	4.30E-05
VOC	Dichlorodifluoromethane	75-71-8	6.15E+01		1.66E+01	6.91E-01	6.91E-05	4.45E-02	9.95E-07	1.54E-01	3.44E-04
VOC	1,1-Dichloroethane	75-34-3	3.13E+01		2.21E-01	6.41E-01	9.07E-05	4.13E-02	1.31E-06	2.83E-02	1.71E-04
VOC	1,2-Dichloroethane	107-06-2	1.75E+01		3.84E-02	8.99E-01	8.55E-05	5.79E-02	1.23E-06	9.52E-03	9.94E-05
VOC	1,1-Dichloroethene	75-35-4	5.82E+01		1.04E+00	7.78E-01	8.99E-05	5.01E-02	1.29E-06	8.34E-02	2.79E-04
VOC	cis-1,2-Dichloroethene	156-59-2	3.56E+01		1.60E-01	6.36E-01	9.76E-05	4.10E-02	1.40E-06	2.05E-02	1.46E-04
VOC	trans-1,2-Dichloroethene	156-60-5	5.22E+01		3.71E-01	6.11E-01	1.03E-04	3.94E-02	1.48E-06	3.43E-02	1.88E-04
VOC	1,2-Dichloropropane	78-87-5	4.35E+01		1.10E-01	6.76E-01	7.54E-05	4.35E-02	1.09E-06	1.45E-02	1.23E-04
VOC	1,3-Dichloropropane	142-28-9	4.59E+01		4.85E-05	6.40E-01	8.53E-05	4.12E-02	1.23E-06	1.05E-05	3.30E-06
VOC	2,2-Dichloropropane	594-20-7	3.85E+01		2.24E-01	6.22E-01	8.19E-05	4.01E-02	1.18E-06	2.60E-02	1.64E-04
VOC	1,1-Dichloropropene	563-58-6	1.21E+02		2.45E+00						
VOC	1,3-Dichloropropene (total)	542-75-6	4.59E+01		6.92E-01	5.41E-01	8.64E-05	3.48E-02	1.24E-06	4.89E-02	2.22E-04
VOC	Diisopropyl ether	108-20-3	1.52E+03		9.99E-02	7.55E-01	6.73E-05	4.86E-02	9.69E-07	1.03E-03	3.26E-05
VOC	1,1-Difluoroethane	75-37-6									
VOC	Ethyl Benzene	100-41-4	3.67E+02		3.06E-01	6.48E-01	6.74E-05	4.17E-02	9.70E-07	9.49E-03	9.92E-05
VOC	Ethyl tert-butyl ether	637-92-3									
VOC	4-Ethyltoluene	622-96-8	1.16E+03		2.45E-01	5.61E-01	6.77E-05	3.61E-02	9.75E-07	2.38E-03	4.97E-05
VOC	Freon 114	76-14-2			1.37E+02						
VOC	2-Hexanone	591-78-6	1.48E+01		4.52E-03	7.45E-01	7.57E-05	4.80E-02	1.09E-06	1.01E-03	3.23E-05
VOC	Isobutane	75-28-5									
VOC	Isopropanol	67-63-0	1.31E+00		3.76E-04	8.47E-01	6.65E-05	5.45E-02	9.56E-07	1.23E-04	1.13E-05
VOC	Methyl tert-butyl ether	1634-04-4	1.15E+01		2.31E-02	7.42E-01	8.73E-05	4.78E-02	1.26E-06	5.24E-03	7.37E-05
VOC	4-Methyl-2-pentanone	108-10-1	1.05E+01		6.96E-03	6.48E-01	6.74E-05	4.17E-02	9.70E-07	1.43E-03	3.85E-05
VOC	Methylene Chloride	75-09-2	1.17E+01		8.66E-02	8.73E-01	1.01E-04	5.62E-02	1.45E-06	2.13E-02	1.48E-04
VOC	Propylbenzene	103-65-1	9.83E+02		3.93E-01	5.19E-01	6.77E-05	3.35E-02	9.74E-07	4.10E-03	6.52E-05
VOC	Styrene	100-42-5	7.77E+02		1.07E-01	6.13E-01	6.91E-05	3.95E-02	9.95E-07	1.68E-03	4.18E-05
VOC	tert Butyl alcohol	75-65-0	2.27E+00		6.99E-04	8.51E-01	9.85E-05	5.48E-02	1.42E-06	2.23E-04	1.52E-05
VOC	1,1,1,2-Tetrachloroethane	630-20-6	3.06E+02		1.27E-01	6.13E-01	6.83E-05	3.95E-02	9.82E-07	4.48E-03	6.82E-05
VOC	1,1,2,2-Tetrachloroethane	79-34-5	9.35E+01		1.33E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	1.16E-03	3.48E-05
VOC	Tetrachloroethene	127-18-4	1.56E+02		7.17E-01	6.22E-01	7.08E-05	4.01E-02	1.02E-06	3.47E-02	1.89E-04
VOC	Toluene	108-88-3	1.80E+02		2.59E-01	7.52E-01	7.43E-05	4.84E-02	1.07E-06	1.61E-02	1.29E-04
VOC	1,2,3-Trichlorobenzene	87-61-6	3.97E+03		6.12E-02	3.30E-01	7.11E-05	2.13E-02	1.02E-06	1.08E-04	1.06E-05
VOC	1,2,4-Trichlorobenzene	120-82-1	1.79E+03		5.42E-02	2.59E-01	7.11E-05	1.67E-02	1.02E-06	1.64E-04	1.30E-05
VOC	1,1,1-Trichloroethane	71-55-6	1.10E+02		6.77E-01	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.32E-02	2.10E-04
VOC	1,1,2-Trichloroethane	79-00-5	5.03E+01		3.56E-02	6.74E-01	7.60E-05	4.34E-02	1.09E-06	4.68E-03	6.97E-05
VOC	Trichloroethene	79-01-6	1.68E+02		4.04E-01	6.83E-01	7.86E-05	4.40E-02	1.13E-06	2.28E-02	1.54E-04
VOC	Trichlorofluoromethane	75-69-4	1.21E+02		4.49E+00	7.52E-01	8.38E-05	4.84E-02	1.21E-06	1.25E-01	3.23E-04
VOC	1,2,3-Trichloropropane	96-18-4	4.43E+01		1.78E-02	6.13E-01	6.83E-05	3.95E-02	9.82E-07	2.29E-03	4.87E-05
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3.81E+02		2.27E+01	6.74E-01	7.08E-05	4.34E-02	1.02E-06	1.33E-01	3.29E-04
VOC	1,2,4-Trimethylbenzene	95-63-6	8.97E+02		2.37E-01	5.24E-01	6.84E-05	3.37E-02	9.85E-07	2.74E-03	5.34E-05
VOC	1,3,5-Trimethylbenzene	108-67-8	1.76E+03		2.26E-01	5.20E-01	7.49E-05	3.35E-02	1.08E-06	1.38E-03	3.79E-05
VOC	Vinyl Acetate	108-05-4	5.22E+00		2.01E-02	7.34E-01	7.95E-05	4.73E-02	1.14E-06	4.95E-03	7.17E-05
VOC	Vinyl Chloride	75-01-4	1.85E+01		1.08E+00	9.16E-01	1.06E-04	5.90E-02	1.53E-06	1.24E-01	3.21E-04
VOC	Xylenes (total)	1330-20-7	3.86E+02		3.30E-01	6.74E-01	7.56E-05	4.34E-02	1.09E-06	1.02E-02	1.03E-04
SVOC	t-Amyl methyl ether	994-05-8									
SVOC	Hexachlorobutadiene	87-68-3	5.35E+04		3.12E-01	4.85E-01	5.32E-05	3.12E-02	7.66E-07	6.10E-05	7.96E-06
SVOC	Naphthalene	91-20-3	2.01E+03		1.85E-02	5.10E-01	6.48E-05	3.28E-02	9.33E-07	9.86E-05	1.01E-05
PEST	Chlordane (total)	57-74-9	1.21E+05		1.79E-03	1.02E-01	3.78E-05	6.57E-03	5.43E-07	3.40E-08	1.88E-07
PEST	4,4'-DDE	72-55-9	4.42E+06		7.63E-04	1.24E-01	5.07E-05	8.02E-03	7.30E-07	5.20E-10	2.32E-08
PEST	4,4'-DDT	50-29-3	2.63E+06		2.80E-04	1.18E-01	4.28E-05	7.63E-03	6.15E-07	3.51E-10	1.91E-08
PEST	Dieldrin	60-57-1	2.14E+04		5.41E-04	1.08E-01	4.10E-05	6.96E-03	5.89E-07	6.80E-08	2.66E-07
PEST	Toxaphene	8001-35-2	2.55E+05		2.17E-04	1.00E-01	3.75E-05	6.46E-03	5.40E-07	2.55E-09	5.15E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	2.99E-04
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.50E+03	9.00E+00	7.20E+01	5.18E-01	7.26E-05	3.34E-02	1.04E-06	1.00E-01	2.99E-04
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	3.40E-04
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.30E+02	7.80E-01	7.30E+01	6.31E-01	7.08E-05	4.06E-02	1.02E-06	1.47E-01	3.40E-04
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP									
PDIST	Motor Oil (Aromatics)	M-OIL-AROM									
PCB	Aroclor-1254	11097-69-1	2.45E+06		1.22E-01	1.75E-01	4.32E-05	1.12E-02	6.22E-07	1.88E-07	4.42E-07
PCB	Aroclor-1260	11096-82-5	4.84E+06		4.37E-01	1.97E-01	5.04E-05	1.27E-02	7.25E-07	3.84E-07	6.31E-07
PCB	Aroclor-1268	11100-14-4									
INORG	Arsenic	7440-38-2		2.90E+01							
INORG	Barium	7440-39-3		4.10E+01							
INORG	Beryllium	7440-41-7		7.90E+02							
INORG	Cadmium	7440-43-9		7.50E+01							
INORG	Chromium (total)	7440-47-3		1.90E+01							

Attachment E-5
Table 1
Normalized Average Vapor Flux from Soil to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Chem Group	Chemical	CASRN	K_{oc} (L/kg)	K_d (L/kg)	H (unitless)	D_{air} (m^2/d)	D_{water} (m^2/d)	D_G (m^2/d)	D_L (m^2/d)	D_E (m^2/d)	J_v (kg/m^2-s)
INORG	Cobalt	7440-48-4		4.50E+01							
INORG	Copper	7440-50-8		3.50E+01							
INORG	Lead	7439-92-1		9.00E+02							
INORG	Molybdenum	7439-98-7		2.00E+01							
INORG	Nickel	7440-02-0		6.50E+01							
INORG	Thallium	7440-28-0		7.10E+01							
INORG	Vanadium	7440-62-2		1.00E+03							
INORG	Zinc	7440-66-6		6.20E+01							
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	3.37E+06		3.06E-03	4.06E-01	6.91E-05	2.62E-02	9.95E-07	8.08E-09	9.15E-08

Notes:

Soil bulk density	kg/L	ρ_b	1.49
Soil porosity	L/L-soil	θ	0.44
Soil water content	L/L-soil	θ_w	0.17
Soil air-filled porosity	L/L-soil	θ_a	0.27
Soil organic carbon fraction	unitless	f_{oc}	0.002
Averaging period (Exposure Duration)	years	T	1
	days	T	365
Temperature	°C	Temp	24
Clean soil above source	m	Z_1	
Bottom of source depth	m	Z_2	12.80

Based on the volatilization model developed by Jury et. al. (1983) for finite sources as described in USEPA's (1996) Soil Screening Guidance: Technical Background Document.
The K_d for organic compounds is the K_{oc} times the f_{oc}.

Attachment E-5
Table 2
Dispersion Factor to Outdoor Air
Centennial High School, 2606 North Central Avenue, Compton, CA

Parameter	Units	Value
Correlation coefficient city		90th% (LA)
Correlation coefficient A		11.9110
Correlation coefficient B		18.4385
Correlation coefficient C		209.7845

Soil source area	acres	33
Soil C/Q averaging time		Annual Max
Conversion factor from 1-Hr Max for soil		0.19
C/Q for soil	$(kg/m^3)/(kg/m^2\text{-}s)$	**28.96**

Note:
C/Q is estimated using the empirical correlation in USEPA's (2002) Supplemental Soil Screening Guidance.

Attachment E-5
Table 3
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
VOC	Acetone	67-64-1	1.00E+00	7.33E-04	1.00E+00	2.00E-08
VOC	Benzene	71-43-2	1.00E+00	4.80E-03	1.00E+00	2.00E-08
VOC	Benzyl chloride	100-44-7	1.00E+00	1.37E-03	1.00E+00	2.00E-08
VOC	Bromobenzene	108-86-1	1.00E+00	1.62E-03	1.00E+00	2.00E-08
VOC	Bromochloromethane	74-97-5	1.00E+00	3.15E-03	1.00E+00	2.00E-08
VOC	Bromodichloromethane	75-27-4	1.00E+00	1.60E-03	1.00E+00	2.00E-08
VOC	Bromoform	75-25-2	1.00E+00	5.87E-04	1.00E+00	2.00E-08
VOC	Bromomethane	74-83-9	1.00E+00	5.68E-03	1.00E+00	2.00E-08
VOC	2-Butanone	78-93-3	1.00E+00	7.86E-04	1.00E+00	2.00E-08
VOC	Butylbenzene	104-51-8	1.00E+00	1.30E-03	1.00E+00	2.00E-08
VOC	sec-Butylbenzene	135-98-8	1.00E+00	9.17E-04	1.00E+00	2.00E-08
VOC	tert-Butylbenzene	98-06-6	1.00E+00	1.36E-03	1.00E+00	2.00E-08
VOC	Carbon Disulfide	75-15-0	1.00E+00	8.95E-03	1.00E+00	2.00E-08
VOC	Carbon Tetrachloride	56-23-5	1.00E+00	6.59E-03	1.00E+00	2.00E-08
VOC	Chlorobenzene	108-90-7	1.00E+00	2.43E-03	1.00E+00	2.00E-08
VOC	Chloroethane	75-00-3	1.00E+00	1.10E-02	1.00E+00	2.00E-08
VOC	Chloroform	67-66-3	1.00E+00	4.70E-03	1.00E+00	2.00E-08
VOC	Chloromethane	74-87-3	1.00E+00	7.53E-03	1.00E+00	2.00E-08
VOC	2-Chlorotoluene	95-49-8	1.00E+00	1.61E-03	1.00E+00	2.00E-08
VOC	4-Chlorotoluene	106-43-4	1.00E+00	1.67E-03	1.00E+00	2.00E-08
VOC	Cumene	98-82-8	1.00E+00	2.55E-03	1.00E+00	2.00E-08
VOC	p-Cymene	99-87-6	1.00E+00	1.25E-03	1.00E+00	2.00E-08
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.00E+00	6.80E-04	1.00E+00	2.00E-08
VOC	Dibromochloromethane	124-48-1	1.00E+00	8.99E-04	1.00E+00	2.00E-08
VOC	1,2-Dibromoethane	106-93-4	1.00E+00	1.67E-03	1.00E+00	2.00E-08
VOC	Dibromomethane	74-95-3	1.00E+00	2.62E-03	1.00E+00	2.00E-08
VOC	1,2-Dichlorobenzene	95-50-1	1.00E+00	1.09E-03	1.00E+00	2.00E-08
VOC	1,3-Dichlorobenzene	541-73-1	1.00E+00	1.68E-03	1.00E+00	2.00E-08
VOC	1,4-Dichlorobenzene	106-46-7	1.00E+00	1.25E-03	1.00E+00	2.00E-08
VOC	Dichlorodifluoromethane	75-71-8	1.00E+00	9.97E-03	1.00E+00	2.00E-08
VOC	1,1-Dichloroethane	75-34-3	1.00E+00	4.95E-03	1.00E+00	2.00E-08
VOC	1,2-Dichloroethane	107-06-2	1.00E+00	2.88E-03	1.00E+00	2.00E-08
VOC	1,1-Dichloroethene	75-35-4	1.00E+00	8.07E-03	1.00E+00	2.00E-08
VOC	cis-1,2-Dichloroethene	156-59-2	1.00E+00	4.23E-03	1.00E+00	2.00E-08
VOC	trans-1,2-Dichloroethene	156-60-5	1.00E+00	5.44E-03	1.00E+00	2.00E-08
VOC	1,2-Dichloropropane	78-87-5	1.00E+00	3.55E-03	1.00E+00	2.00E-08
VOC	1,3-Dichloropropane	142-28-9	1.00E+00	9.55E-05	1.00E+00	2.00E-08
VOC	2,2-Dichloropropane	594-20-7	1.00E+00	4.75E-03	1.00E+00	2.00E-08
VOC	1,1-Dichloropropene	563-58-6	1.00E+00		1.00E+00	2.00E-08
VOC	1,3-Dichloropropene (total)	542-75-6	1.00E+00	6.43E-03	1.00E+00	2.00E-08
VOC	Diisopropyl ether	108-20-3	1.00E+00	9.45E-04	1.00E+00	2.00E-08
VOC	1,1-Difluoroethane	75-37-6	1.00E+00		1.00E+00	2.00E-08
VOC	Ethyl Benzene	100-41-4	1.00E+00	2.87E-03	1.00E+00	2.00E-08
VOC	Ethyl tert-butyl ether	637-92-3	1.00E+00		1.00E+00	2.00E-08
VOC	4-Ethyltoluene	622-96-8	1.00E+00	1.44E-03	1.00E+00	2.00E-08
VOC	Freon 114	76-14-2	1.00E+00		1.00E+00	2.00E-08
VOC	2-Hexanone	591-78-6	1.00E+00	9.36E-04	1.00E+00	2.00E-08
VOC	Isobutane	75-28-5	1.00E+00		1.00E+00	2.00E-08
VOC	Isopropanol	67-63-0	1.00E+00	3.27E-04	1.00E+00	2.00E-08
VOC	Methyl tert-butyl ether	1634-04-4	1.00E+00	2.13E-03	1.00E+00	2.00E-08
VOC	4-Methyl-2-pentanone	108-10-1	1.00E+00	1.11E-03	1.00E+00	2.00E-08
VOC	Methylene Chloride	75-09-2	1.00E+00	4.30E-03	1.00E+00	2.00E-08
VOC	Propylbenzene	103-65-1	1.00E+00	1.89E-03	1.00E+00	2.00E-08
VOC	Styrene	100-42-5	1.00E+00	1.21E-03	1.00E+00	2.00E-08
VOC	tert Butyl alcohol	75-65-0	1.00E+00	4.41E-04	1.00E+00	2.00E-08
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.00E+00	1.97E-03	1.00E+00	2.00E-08
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.00E+00	1.01E-03	1.00E+00	2.00E-08
VOC	Tetrachloroethene	127-18-4	1.00E+00	5.47E-03	1.00E+00	2.00E-08
VOC	Toluene	108-88-3	1.00E+00	3.75E-03	1.00E+00	2.00E-08
VOC	1,2,3-Trichlorobenzene	87-61-6	1.00E+00	3.07E-04	1.00E+00	2.00E-08
VOC	1,2,4-Trichlorobenzene	120-82-1	1.00E+00	3.78E-04	1.00E+00	2.00E-08
VOC	1,1,1-Trichloroethane	71-55-6	1.00E+00	6.07E-03	1.00E+00	2.00E-08
VOC	1,1,2-Trichloroethane	79-00-5	1.00E+00	2.02E-03	1.00E+00	2.00E-08
VOC	Trichloroethene	79-01-6	1.00E+00	4.45E-03	1.00E+00	2.00E-08
VOC	Trichlorofluoromethane	75-69-4	1.00E+00	9.35E-03	1.00E+00	2.00E-08
VOC	1,2,3-Trichloropropane	96-18-4	1.00E+00	1.41E-03	1.00E+00	2.00E-08
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.00E+00	9.54E-03	1.00E+00	2.00E-08
VOC	1,2,4-Trimethylbenzene	95-63-6	1.00E+00	1.55E-03	1.00E+00	2.00E-08
VOC	1,3,5-Trimethylbenzene	108-67-8	1.00E+00	1.10E-03	1.00E+00	2.00E-08
VOC	Vinyl Acetate	108-05-4	1.00E+00	2.08E-03	1.00E+00	2.00E-08
VOC	Vinyl Chloride	75-01-4	1.00E+00	9.31E-03	1.00E+00	2.00E-08
VOC	Xylenes (total)	1330-20-7	1.00E+00	2.98E-03	1.00E+00	2.00E-08
SVOC	t-Amyl methyl ether	994-05-8	1.00E+00		1.00E+00	2.00E-08
SVOC	Hexachlorobutadiene	87-68-3	1.00E+00	2.30E-04	1.00E+00	2.00E-08
SVOC	Naphthalene	91-20-3	1.00E+00	2.93E-04	1.00E+00	2.00E-08
PEST	Chlordane (total)	57-74-9	1.00E+00	5.44E-06	1.00E+00	2.00E-08
PEST	4,4'-DDE	72-55-9	1.00E+00	6.73E-07	1.00E+00	2.00E-08
PEST	4,4'-DDT	50-29-3	1.00E+00	5.53E-07	1.00E+00	2.00E-08
PEST	Dieldrin	60-57-1	1.00E+00	7.69E-06	1.00E+00	2.00E-08

Attachment E-5
Table 3
Concentrations in Outdoor Air from Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

			Vapor		PM_{10}	
	C/Q (kg/m^3 per kg/m^2-s)**:**		2.9E+01			
Chem Chem	**Chemical**	**CASRN**	C_{soil} (mg/kg)	C_{air} (mg/m^3)	C_{soil} (mg/kg)	C_{air} (mg/m^3)
PEST	Toxaphene	8001-35-2	1.00E+00	1.49E-06	1.00E+00	2.00E-08
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.00E+00	8.66E-03	1.00E+00	2.00E-08
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.00E+00	8.66E-03	1.00E+00	2.00E-08
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.00E+00	9.84E-03	1.00E+00	2.00E-08
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.00E+00	9.84E-03	1.00E+00	2.00E-08
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.00E+00		1.00E+00	2.00E-08
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.00E+00		1.00E+00	2.00E-08
PCB	Aroclor-1254	11097-69-1	1.00E+00	1.28E-05	1.00E+00	2.00E-08
PCB	Aroclor-1260	11096-82-5	1.00E+00	1.83E-05	1.00E+00	2.00E-08
PCB	Aroclor-1268	11100-14-4	1.00E+00		1.00E+00	2.00E-08
INORG	Arsenic	7440-38-2	1.00E+00		1.00E+00	2.00E-08
INORG	Barium	7440-39-3	1.00E+00		1.00E+00	2.00E-08
INORG	Beryllium	7440-41-7	1.00E+00		1.00E+00	2.00E-08
INORG	Cadmium	7440-43-9	1.00E+00		1.00E+00	2.00E-08
INORG	Chromium (total)	7440-47-3	1.00E+00		1.00E+00	2.00E-08
INORG	Cobalt	7440-48-4	1.00E+00		1.00E+00	2.00E-08
INORG	Copper	7440-50-8	1.00E+00		1.00E+00	2.00E-08
INORG	Lead	7439-92-1	1.00E+00		1.00E+00	2.00E-08
INORG	Molybdenum	7439-98-7	1.00E+00		1.00E+00	2.00E-08
INORG	Nickel	7440-02-0	1.00E+00		1.00E+00	2.00E-08
INORG	Thallium	7440-28-0	1.00E+00		1.00E+00	2.00E-08
INORG	Vanadium	7440-62-2	1.00E+00		1.00E+00	2.00E-08
INORG	Zinc	7440-66-6	1.00E+00		1.00E+00	2.00E-08
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.00E+00	2.65E-06	1.00E+00	2.00E-08

Attachment E-5
Table 4a
Cancer-Based RBSLs for Exposure of Construction Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		4.0E-08							7.3E-04			2.0E-08			
VOC	Benzene	71-43-2	1.0E+00		4.0E-08	1.0E-01	2.5E+02			1.0E-01		4.8E-03	2.9E-02	2.2E+00	2.0E-08	2.9E-02	5.3E+05	2.2E+00
VOC	Benzyl chloride	100-44-7	1.0E+00		4.0E-08	1.7E-01	1.5E+02			1.7E-01		1.4E-03	4.9E-02	4.6E+00	2.0E-08	4.9E-02	3.1E+05	4.4E+00
VOC	Bromobenzene	108-86-1	1.0E+00		4.0E-08							1.6E-03			2.0E-08			
VOC	Bromochloromethane	74-97-5	1.0E+00		4.0E-08							3.2E-03			2.0E-08			
VOC	Bromodichloromethane	75-27-4	1.0E+00		4.0E-08	6.2E-02	4.0E+02			6.2E-02		1.6E-03	3.7E-02	5.2E+00	2.0E-08	3.7E-02	4.1E+05	5.1E+00
VOC	Bromoform	75-25-2	1.0E+00		4.0E-08	7.9E-03	3.1E+03			7.9E-03		5.9E-04	1.1E-03	4.7E+02	2.0E-08	1.1E-03	1.4E+07	4.1E+02
VOC	Bromomethane	74-83-9	1.0E+00		4.0E-08							5.7E-03			2.0E-08			
VOC	2-Butanone	78-93-3	1.0E+00		4.0E-08							7.9E-04			2.0E-08			
VOC	Butylbenzene	104-51-8	1.0E+00		4.0E-08							1.3E-03			2.0E-08			
VOC	sec-Butylbenzene	135-98-8	1.0E+00		4.0E-08							9.2E-04			2.0E-08			
VOC	tert-Butylbenzene	98-06-6	1.0E+00		4.0E-08							1.4E-03			2.0E-08			
VOC	Carbon Disulfide	75-15-0	1.0E+00		4.0E-08							8.9E-03			2.0E-08			
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		4.0E-08	7.0E-02	3.5E+02			7.0E-02		6.6E-03	6.0E-03	7.8E+00	2.0E-08	6.0E-03	2.6E+06	7.6E+00
VOC	Chlorobenzene	108-90-7	1.0E+00		4.0E-08							2.4E-03			2.0E-08			
VOC	Chloroethane	75-00-3	1.0E+00		4.0E-08							1.1E-02			2.0E-08			
VOC	Chloroform	67-66-3	1.0E+00		4.0E-08	3.1E-02	8.0E+02			3.1E-02		4.7E-03	2.3E-02	2.8E+00	2.0E-08	2.3E-02	6.7E+05	2.8E+00
VOC	Chloromethane	74-87-3	1.0E+00		4.0E-08							7.5E-03			2.0E-08			
VOC	2-Chlorotoluene	95-49-8	1.0E+00		4.0E-08							1.6E-03			2.0E-08			
VOC	4-Chlorotoluene	106-43-4	1.0E+00		4.0E-08							1.7E-03			2.0E-08			
VOC	Cumene	98-82-8	1.0E+00		4.0E-08							2.6E-03			2.0E-08			
VOC	p-Cymene	99-87-6	1.0E+00		4.0E-08							1.2E-03			2.0E-08			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		4.0E-08	7.0E+00	3.5E+00			7.0E+00		6.8E-04	6.0E+00	7.5E-02	2.0E-08	6.0E+00	2.6E+03	7.4E-02
VOC	Dibromochloromethane	124-48-1	1.0E+00		4.0E-08	8.4E-02	2.9E+02			8.4E-02		9.0E-04	2.1E-02	1.6E+01	2.0E-08	2.1E-02	7.3E+05	1.5E+01
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		4.0E-08	2.0E+00	1.2E+01			2.0E+00		1.7E-03	6.0E-01	3.1E-01	2.0E-08	6.0E-01	2.6E+04	3.0E-01
VOC	Dibromomethane	74-95-3	1.0E+00		4.0E-08							2.6E-03			2.0E-08			
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		4.0E-08							1.1E-03			2.0E-08			
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		4.0E-08							1.7E-03			2.0E-08			
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		4.0E-08	5.4E-03	4.6E+03			5.4E-03		1.2E-03	1.1E-02	2.2E+01	2.0E-08	1.1E-02	1.4E+06	2.2E+01
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		4.0E-08							1.0E-02			2.0E-08			
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		4.0E-08	5.7E-03	4.3E+03			5.7E-03		5.0E-03	1.6E-03	3.9E+01	2.0E-08	1.6E-03	9.6E+06	3.8E+01
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		4.0E-08	9.1E-02	2.7E+02			9.1E-02		2.9E-03	2.6E-02	4.1E+00	2.0E-08	2.6E-02	5.9E+05	4.0E+00
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		4.0E-08							8.1E-03			2.0E-08			
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		4.0E-08							4.2E-03			2.0E-08			
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		4.0E-08							5.4E-03			2.0E-08			
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		4.0E-08	3.7E-02	6.7E+02			3.7E-02		3.6E-03	3.7E-03	2.3E+01	2.0E-08	3.7E-03	4.1E+06	2.3E+01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		4.0E-08							9.6E-05			2.0E-08			
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		4.0E-08							4.7E-03			2.0E-08			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		4.0E-08										2.0E-08			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		4.0E-08	1.0E-01	2.5E+02			1.0E-01		6.4E-03	4.0E-03	1.2E+01	2.0E-08	4.0E-03	3.8E+06	1.1E+01
VOC	Diisopropyl ether	108-20-3	1.0E+00		4.0E-08							9.4E-04			2.0E-08			
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		4.0E-08										2.0E-08			
VOC	Ethyl Benzene	100-41-4	1.0E+00		4.0E-08	1.1E-02	2.3E+03			1.1E-02		2.9E-03	2.5E-03	4.3E+01	2.0E-08	2.5E-03	6.1E+06	4.2E+01
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		4.0E-08										2.0E-08			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		4.0E-08							1.4E-03			2.0E-08			
VOC	Freon 114	76-14-2	1.0E+00		4.0E-08										2.0E-08			
VOC	2-Hexanone	591-78-6	1.0E+00		4.0E-08							9.4E-04			2.0E-08			
VOC	Isobutane	75-28-5	1.0E+00		4.0E-08										2.0E-08			
VOC	Isopropanol	67-63-0	1.0E+00		4.0E-08							3.3E-04			2.0E-08			
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		4.0E-08	1.8E-03	1.4E+04			1.8E-03		2.1E-03	2.6E-04	5.5E+02	2.0E-08	2.6E-04	5.9E+07	5.3E+02
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		4.0E-08							1.1E-03			2.0E-08			

Attachment E-5
Table 4a
Cancer-Based RBSLs for Exposure of Construction Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	LADD (mg/kg/d)	SF_{oral} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	ABS_{derm}	LADD (mg/kg/d)	SF_{derm} $(mg/kg/d)^{-1}$	RBSL (mg/kg)	C_{air} (mg/m^3)	URF (m^3/mg)	RBSL (mg/kg)	C_{air} (mg/m^3)	URF $(mg/m^3)^{-1}$	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Methylene Chloride	75-09-2	1.0E+00		4.0E-08	2.0E-03	1.2E+04			2.0E-03		4.3E-03	1.0E-03	7.1E+01	2.0E-08	1.0E-03	1.5E+07	7.1E+01
VOC	Propylbenzene	103-65-1	1.0E+00		4.0E-08							1.9E-03			2.0E-08			
VOC	Styrene	100-42-5	1.0E+00		4.0E-08							1.2E-03			2.0E-08			
VOC	tert Butyl alcohol	75-65-0	1.0E+00		4.0E-08	5.0E-04	5.0E+04			5.0E-04		4.4E-04			2.0E-08			5.0E+04
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		4.0E-08	2.6E-02	9.5E+02			2.6E-02		2.0E-03	7.4E-03	2.1E+01	2.0E-08	7.4E-03	2.1E+06	2.1E+01
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		4.0E-08	2.0E-01	1.2E+02			2.0E-01		1.0E-03	5.8E-02	5.3E+00	2.0E-08	5.8E-02	2.6E+05	5.0E+00
VOC	Tetrachloroethene	127-18-4	1.0E+00		4.0E-08	5.4E-01	4.6E+01			5.4E-01		5.5E-03	6.1E-03	9.2E+00	2.0E-08	6.1E-03	2.5E+06	7.7E+00
VOC	Toluene	108-88-3	1.0E+00		4.0E-08							3.7E-03			2.0E-08			
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		4.0E-08							3.1E-04			2.0E-08			
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		4.0E-08	2.9E-02	8.5E+02			2.9E-02		3.8E-04	7.3E-03	1.1E+02	2.0E-08	7.3E-03	2.1E+06	9.8E+01
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		4.0E-08							6.1E-03			2.0E-08			
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		4.0E-08	5.7E-02	4.3E+02			5.7E-02		2.0E-03	1.6E-02	9.5E+00	2.0E-08	1.6E-02	9.6E+05	9.3E+00
VOC	Trichloroethene	79-01-6	1.0E+00		4.0E-08	4.6E-02	5.4E+02			4.6E-02		4.5E-03	4.1E-03	1.7E+01	2.0E-08	4.1E-03	3.7E+06	1.6E+01
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		4.0E-08							9.3E-03			2.0E-08			
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		4.0E-08	3.0E+01	8.3E-01			3.0E+01		1.4E-03	7.5E+00	2.9E-02	2.0E-08	7.5E+00	2.0E+03	2.8E-02
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		4.0E-08							9.5E-03			2.0E-08			
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		4.0E-08							1.5E-03			2.0E-08			
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		4.0E-08							1.1E-03			2.0E-08			
VOC	Vinyl Acetate	108-05-4	1.0E+00		4.0E-08							2.1E-03			2.0E-08			
VOC	Vinyl Chloride	75-01-4	1.0E+00		4.0E-08	7.2E-01	3.4E+01			7.2E-01		9.3E-03	7.8E-02	4.2E-01	2.0E-08	7.8E-02	2.0E+05	4.2E-01
VOC	Xylenes (total)	1330-20-7	1.0E+00		4.0E-08							3.0E-03			2.0E-08			
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		4.0E-08										2.0E-08			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		4.0E-08	7.8E-02	3.2E+02	1.00E-01	2.21E-08	7.8E-02	5.8E+02	2.3E-04	2.2E-02	6.0E+01	2.0E-08	2.2E-02	7.0E+05	4.7E+01
SVOC	Naphthalene	91-20-3	1.0E+00		4.0E-08	1.2E-01	2.1E+02	1.30E-01	2.88E-08	1.2E-01	2.9E+02	2.9E-04	3.4E-02	3.1E+01	2.0E-08	3.4E-02	4.5E+05	2.5E+01
PEST	Chlordane (total)	57-74-9	1.0E+00		4.0E-08	3.5E-01	7.1E+01	4.00E-02	8.85E-09	3.5E-01	3.2E+02	5.4E-06	1.0E-01	5.6E+02	2.0E-08	1.0E-01	1.5E+05	5.3E+01
PEST	4,4'-DDE	72-55-9	1.0E+00		4.0E-08	3.4E-01	7.3E+01	3.00E-02	6.64E-09	3.4E-01	4.4E+02	6.7E-07	9.7E-02	4.7E+03	2.0E-08	9.7E-02	1.6E+05	6.2E+01
PEST	4,4'-DDT	50-29-3	1.0E+00		4.0E-08	3.4E-01	7.3E+01	3.00E-02	6.64E-09	3.4E-01	4.4E+02	5.5E-07	9.7E-02	5.7E+03	2.0E-08	9.7E-02	1.6E+05	6.2E+01
PEST	Dieldrin	60-57-1	1.0E+00		4.0E-08	1.6E+01	1.5E+00	1.00E-01	2.21E-08	1.6E+01	2.8E+00	7.7E-06	4.6E+00	8.7E+00	2.0E-08	4.6E+00	3.3E+03	9.0E-01
PEST	Toxaphene	8001-35-2	1.0E+00		4.0E-08	1.2E+00	2.1E+01	1.00E-01	2.21E-08	1.2E+00	3.8E+01	1.5E-06	3.2E-01	6.4E+02	2.0E-08	3.2E-01	4.8E+04	1.3E+01
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		4.0E-08							8.7E-03			2.0E-08			
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		4.0E-08							8.7E-03			2.0E-08			
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		4.0E-08							9.8E-03			2.0E-08			
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		4.0E-08							9.8E-03			2.0E-08			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		4.0E-08										2.0E-08			
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		4.0E-08										2.0E-08			
PCB	Aroclor-1254	11097-69-1	1.0E+00		4.0E-08	2.0E+00	1.2E+01	1.40E-01	3.10E-08	2.0E+00	1.6E+01	1.3E-05	5.7E-01	4.2E+01	2.0E-08	5.7E-01	2.7E+04	6.0E+00
PCB	Aroclor-1260	11096-82-5	1.0E+00		4.0E-08	2.0E+00	1.2E+01	1.40E-01	3.10E-08	2.0E+00	1.6E+01	1.8E-05	5.7E-01	2.9E+01	2.0E-08	5.7E-01	2.7E+04	5.7E+00
PCB	Aroclor-1268	11100-14-4	1.0E+00		4.0E-08	2.0E+00	1.2E+01	1.40E-01	3.10E-08	2.0E+00	1.6E+01		5.7E-01		2.0E-08	5.7E-01	2.7E+04	7.0E+00
INORG	Arsenic	7440-38-2	1.0E+00	0.6	4.0E-08	3.2E+01	1.3E+00	3.00E-02	6.64E-09	3.2E+01	4.7E+00		4.3E+00		2.0E-08	4.3E+00	3.6E+03	1.0E+00
INORG	Barium	7440-39-3	1.0E+00		4.0E-08										2.0E-08			
INORG	Beryllium	7440-41-7	1.0E+00		4.0E-08								2.4E+00		2.0E-08	2.4E+00	6.4E+03	6.4E+03
INORG	Cadmium	7440-43-9	1.0E+00		4.0E-08			1.00E-03	2.21E-10				4.2E+00		2.0E-08	4.2E+00	3.7E+03	3.7E+03
INORG	Chromium (total)	7440-47-3	1.0E+00		4.0E-08										2.0E-08			
INORG	Cobalt	7440-48-4	1.0E+00		4.0E-08								9.0E+00		2.0E-08	9.0E+00	1.7E+03	1.7E+03
INORG	Copper	7440-50-8	1.0E+00		4.0E-08										2.0E-08			
INORG	Lead	7439-92-1	1.0E+00		4.0E-08										2.0E-08			
INORG	Molybdenum	7439-98-7	1.0E+00		4.0E-08										2.0E-08			
INORG	Nickel	7440-02-0	1.0E+00		4.0E-08								2.6E-01		2.0E-08	2.6E-01	5.9E+04	5.9E+04
INORG	Thallium	7440-28-0	1.0E+00		4.0E-08										2.0E-08			
INORG	Vanadium	7440-62-2	1.0E+00		4.0E-08										2.0E-08			
INORG	Zinc	7440-66-6	1.0E+00		4.0E-08										2.0E-08			

Attachment E-5
Table 4a
Cancer-Based RBSLs for Exposure of Construction Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion					Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	**Chemical**	**CASRN**	**C_{soil}** (mg/kg)	**RBA**	**LADD** (mg/kg/d)	**SF_{oral}** $(mg/kg/d)^{-1}$	**RBSL** (mg/kg)	**ABS_{derm}**	**LADD** (mg/kg/d)	**SF_{derm}** $(mg/kg/d)^{-1}$	**RBSL** (mg/kg)	**C_{air}** (mg/m^3)	**URF** (m^3/mg)	**RBSL** (mg/kg)	**C_{air}** (mg/m^3)	**URF** $(mg/m^3)^{-1}$	**RBSL** (mg/kg)	**RBSL** (mg/kg)
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		4.0E-08	1.3E+05	1.9E-04	3.00E-02	6.64E-09	1.3E+05	1.2E-03	2.7E-06	3.8E+04	3.0E-03	2.0E-08	3.8E+04	4.0E-01	1.6E-04

Notes:
The concentration of particulates in the air is assumed to be no more than the annual average California Ambient Air Quality Standards for PM_{10} of 20 ug/m^3.
Cancer RBSLs are calculated at a target cancer risk of 1E-06.

Attachment E-5
Table 4b
Noncancer-Based RBSLs for Exposure of Construction Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	Acetone	67-64-1	1.0E+00		2.8E-06	9.0E-01	3.2E+05			9.0E-01		7.3E-04	3.1E+01	1.9E+05	2.0E-08	3.1E+01	6.8E+09	1.2E+05
VOC	Benzene	71-43-2	1.0E+00		2.8E-06	1.0E-02	3.5E+03			1.0E-02		4.8E-03	9.0E-02	8.2E+01	2.0E-08	9.0E-02	2.0E+07	8.0E+01
VOC	Benzyl chloride	100-44-7	1.0E+00		2.8E-06	2.0E-03	7.1E+02			2.0E-03		1.4E-03	4.0E-03	1.3E+01	2.0E-08	4.0E-03	8.8E+05	1.3E+01
VOC	Bromobenzene	108-86-1	1.0E+00		2.8E-06	2.0E-02	7.1E+03			2.0E-02		1.6E-03	2.0E-01	5.4E+02	2.0E-08	2.0E-01	4.4E+07	5.0E+02
VOC	Bromochloromethane	74-97-5	1.0E+00		2.8E-06							3.2E-03	1.0E-01	1.4E+02	2.0E-08	1.0E-01	2.2E+07	1.4E+02
VOC	Bromodichloromethane	75-27-4	1.0E+00		2.8E-06	8.0E-03	2.8E+03			8.0E-03		1.6E-03	3.2E-02	8.7E+01	2.0E-08	3.2E-02	7.0E+06	8.5E+01
VOC	Bromoform	75-25-2	1.0E+00		2.8E-06	3.0E-02	1.1E+04			3.0E-02		5.9E-04	8.0E-02	6.0E+02	2.0E-08	8.0E-02	1.8E+07	5.6E+02
VOC	Bromomethane	74-83-9	1.0E+00		2.8E-06	5.0E-03	1.8E+03			5.0E-03		5.7E-03	1.0E-01	7.7E+01	2.0E-08	1.0E-01	2.2E+07	7.4E+01
VOC	2-Butanone	78-93-3	1.0E+00		2.8E-06	2.0E+00	7.1E+05			2.0E+00		7.9E-04	5.0E+00	2.8E+04	2.0E-08	5.0E+00	1.1E+09	2.7E+04
VOC	Butylbenzene	104-51-8	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		1.3E-03	2.0E-01	6.7E+02	2.0E-08	2.0E-01	4.4E+07	6.6E+02
VOC	sec-Butylbenzene	135-98-8	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		9.2E-04	4.0E-01	1.9E+03	2.0E-08	4.0E-01	8.8E+07	1.8E+03
VOC	tert-Butylbenzene	98-06-6	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		1.4E-03	4.0E-01	1.3E+03	2.0E-08	4.0E-01	8.8E+07	1.2E+03
VOC	Carbon Disulfide	75-15-0	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		8.9E-03	7.0E-01	3.4E+02	2.0E-08	7.0E-01	1.5E+08	3.4E+02
VOC	Carbon Tetrachloride	56-23-5	1.0E+00		2.8E-06	1.0E-02	3.5E+03			1.0E-02		6.6E-03	1.9E-01	1.3E+02	2.0E-08	1.9E-01	4.1E+07	1.2E+02
VOC	Chlorobenzene	108-90-7	1.0E+00		2.8E-06	7.0E-02	2.5E+04			7.0E-02		2.4E-03	5.0E-01	9.0E+02	2.0E-08	5.0E-01	1.1E+08	8.7E+02
VOC	Chloroethane	75-00-3	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		1.1E-02	4.0E+00	1.6E+03	2.0E-08	4.0E+00	8.8E+08	1.5E+03
VOC	Chloroform	67-66-3	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		4.7E-03	5.0E-02	4.7E+01	2.0E-08	5.0E-02	1.1E+07	4.6E+01
VOC	Chloromethane	74-87-3	1.0E+00		2.8E-06							7.5E-03	6.2E-01	3.6E+02	2.0E-08	6.2E-01	1.4E+08	3.6E+02
VOC	2-Chlorotoluene	95-49-8	1.0E+00		2.8E-06	2.0E-02	7.1E+03			2.0E-02		1.6E-03	8.0E-02	2.2E+02	2.0E-08	8.0E-02	1.8E+07	2.1E+02
VOC	4-Chlorotoluene	106-43-4	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		1.7E-03	8.0E-02	2.1E+02	2.0E-08	8.0E-02	1.8E+07	2.1E+02
VOC	Cumene	98-82-8	1.0E+00		2.8E-06	4.0E-01	1.4E+05			4.0E-01		2.6E-03	4.0E-01	6.9E+02	2.0E-08	4.0E-01	8.8E+07	6.8E+02
VOC	p-Cymene	99-87-6	1.0E+00		2.8E-06							1.2E-03			2.0E-08			
VOC	1,2-Dibromo-3-chloropropane	96-12-8	1.0E+00		2.8E-06	2.0E-03	7.1E+02			2.0E-03		6.8E-04	2.0E-03	1.3E+01	2.0E-08	2.0E-03	4.4E+05	1.3E+01
VOC	Dibromochloromethane	124-48-1	1.0E+00		2.8E-06	7.0E-02	2.5E+04			7.0E-02		9.0E-04	8.0E-02	3.9E+02	2.0E-08	8.0E-02	1.8E+07	3.8E+02
VOC	1,2-Dibromoethane	106-93-4	1.0E+00		2.8E-06	9.0E-03	3.2E+03			9.0E-03		1.7E-03	8.0E-04	2.1E+00	2.0E-08	8.0E-04	1.8E+05	2.1E+00
VOC	Dibromomethane	74-95-3	1.0E+00		2.8E-06	9.0E-03	3.2E+03			9.0E-03		2.6E-03	4.0E-03	6.7E+00	2.0E-08	4.0E-03	8.8E+05	6.7E+00
VOC	1,2-Dichlorobenzene	95-50-1	1.0E+00		2.8E-06	6.0E-01	2.1E+05			6.0E-01		1.1E-03	2.0E+00	8.0E+03	2.0E-08	2.0E+00	4.4E+08	7.7E+03
VOC	1,3-Dichlorobenzene	541-73-1	1.0E+00		2.8E-06	2.0E-02	7.1E+03			2.0E-02		1.7E-03			2.0E-08			7.1E+03
VOC	1,4-Dichlorobenzene	106-46-7	1.0E+00		2.8E-06	7.0E-02	2.5E+04			7.0E-02		1.2E-03	2.5E+00	8.8E+03	2.0E-08	2.5E+00	5.5E+08	6.5E+03
VOC	Dichlorodifluoromethane	75-71-8	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		1.0E-02	1.0E+00	4.4E+02	2.0E-08	1.0E+00	2.2E+08	4.4E+02
VOC	1,1-Dichloroethane	75-34-3	1.0E+00		2.8E-06	2.0E+00	7.1E+05			2.0E+00		5.0E-03	5.0E+00	4.4E+03	2.0E-08	5.0E+00	1.1E+09	4.4E+03
VOC	1,2-Dichloroethane	107-06-2	1.0E+00		2.8E-06	2.0E-02	7.1E+03			2.0E-02		2.9E-03	7.0E-02	1.1E+02	2.0E-08	7.0E-02	1.5E+07	1.0E+02
VOC	1,1-Dichloroethene	75-35-4	1.0E+00		2.8E-06	5.0E-02	1.8E+04			5.0E-02		8.1E-03	2.0E-01	1.1E+02	2.0E-08	2.0E-01	4.4E+07	1.1E+02
VOC	cis-1,2-Dichloroethene	156-59-2	1.0E+00		2.8E-06	2.0E-02	7.1E+03			2.0E-02		4.2E-03	4.0E-02	4.1E+01	2.0E-08	4.0E-02	8.8E+06	4.1E+01
VOC	trans-1,2-Dichloroethene	156-60-5	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		5.4E-03	4.0E-02	3.2E+01	2.0E-08	4.0E-02	8.8E+06	3.2E+01
VOC	1,2-Dichloropropane	78-87-5	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02		3.6E-03	1.3E-02	1.6E+01	2.0E-08	1.3E-02	2.8E+06	1.6E+01
VOC	1,3-Dichloropropane	142-28-9	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		9.6E-05	8.0E-02	3.7E+03	2.0E-08	8.0E-02	1.8E+07	3.5E+03
VOC	2,2-Dichloropropane	594-20-7	1.0E+00		2.8E-06							4.7E-03			2.0E-08			
VOC	1,1-Dichloropropene	563-58-6	1.0E+00		2.8E-06										2.0E-08			
VOC	1,3-Dichloropropene (total)	542-75-6	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02		6.4E-03	3.6E-02	2.5E+01	2.0E-08	3.6E-02	7.9E+06	2.5E+01
VOC	Diisopropyl ether	108-20-3	1.0E+00		2.8E-06							9.4E-04	7.0E-01	3.2E+03	2.0E-08	7.0E-01	1.5E+08	3.2E+03
VOC	1,1-Difluoroethane	75-37-6	1.0E+00		2.8E-06								4.0E+01		2.0E-08	4.0E+01	8.8E+09	8.8E+09
VOC	Ethyl Benzene	100-41-4	1.0E+00		2.8E-06	5.0E-02	1.8E+04			5.0E-02		2.9E-03	9.0E+00	1.4E+04	2.0E-08	9.0E+00	2.0E+09	7.7E+03
VOC	Ethyl tert-butyl ether	637-92-3	1.0E+00		2.8E-06										2.0E-08			
VOC	4-Ethyltoluene	622-96-8	1.0E+00		2.8E-06							1.4E-03			2.0E-08			
VOC	Freon 114	76-14-2	1.0E+00		2.8E-06										2.0E-08			
VOC	2-Hexanone	591-78-6	1.0E+00		2.8E-06	5.0E-03	1.8E+03			5.0E-03		9.4E-04	3.0E-01	1.4E+03	2.0E-08	3.0E-01	6.6E+07	7.8E+02
VOC	Isobutane	75-28-5	1.0E+00		2.8E-06										2.0E-08			
VOC	Isopropanol	67-63-0	1.0E+00		2.8E-06	2.0E+00	7.1E+05			2.0E+00		3.3E-04	7.0E+00	9.4E+04	2.0E-08	7.0E+00	1.5E+09	8.3E+04
VOC	Methyl tert-butyl ether	1634-04-4	1.0E+00		2.8E-06	4.0E-01	1.4E+05			4.0E-01		2.1E-03	3.6E+00	7.4E+03	2.0E-08	3.6E+00	7.9E+08	7.0E+03
VOC	4-Methyl-2-pentanone	108-10-1	1.0E+00		2.8E-06							1.1E-03	3.0E+00	1.2E+04	2.0E-08	3.0E+00	6.6E+08	1.2E+04
VOC	Methylene Chloride	75-09-2	1.0E+00		2.8E-06	6.0E-02	2.1E+04			6.0E-02		4.3E-03	1.0E+00	1.1E+03	2.0E-08	1.0E+00	2.3E+08	1.0E+03
VOC	Propylbenzene	103-65-1	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		1.9E-03	1.0E+00	2.3E+03	2.0E-08	1.0E+00	2.2E+08	2.2E+03
VOC	Styrene	100-42-5	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		1.2E-03	3.0E+00	1.1E+04	2.0E-08	3.0E+00	6.6E+08	9.4E+03
VOC	tert Butyl alcohol	75-65-0	1.0E+00		2.8E-06	4.0E-01	1.4E+05			4.0E-01		4.4E-04	5.0E+00	5.0E+04	2.0E-08	5.0E+00	1.1E+09	3.7E+04
VOC	1,1,1,2-Tetrachloroethane	630-20-6	1.0E+00		2.8E-06	9.0E-02	3.2E+04			9.0E-02		2.0E-03	1.2E-01	2.7E+02	2.0E-08	1.2E-01	2.6E+07	2.6E+02

Attachment E-5
Table 4b
Noncancer-Based RBSLs for Exposure of Construction Worker to Soil
Centennial High School, 2606 North Central Avenue, Compton, CA

				Soil Ingestion				Soil Dermal Contact				Soil Vapor Inhalation			Soil Particulate Inhalation			All Routes
Chem Group	Chemical	CASRN	C_{soil} (mg/kg)	RBA	ADD (mg/kg/d)	RfD_{oral} (mg/kg/d)	RBSL (mg/kg)	ABS_{derm}	ADD (mg/kg/d)	RfD_{derm} (mg/kg/d)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	C_{air} (mg/m^3)	RfC (mg/m^3)	RBSL (mg/kg)	RBSL (mg/kg)
VOC	1,1,2,2-Tetrachloroethane	79-34-5	1.0E+00		2.8E-06	5.0E-02	1.8E+04			5.0E-02		1.0E-03	8.0E-02	3.5E+02	2.0E-08	8.0E-02	1.8E+07	3.4E+02
VOC	Tetrachloroethene	127-18-4	1.0E+00		2.8E-06	8.0E-03	2.8E+03			8.0E-03		5.5E-03	4.1E-02	3.3E+01	2.0E-08	4.1E-02	8.9E+06	3.2E+01
VOC	Toluene	108-88-3	1.0E+00		2.8E-06	8.0E-01	2.8E+05			8.0E-01		3.7E-03	5.0E+00	5.8E+03	2.0E-08	5.0E+00	1.1E+09	5.7E+03
VOC	1,2,3-Trichlorobenzene	87-61-6	1.0E+00		2.8E-06	8.0E-03	2.8E+03			8.0E-03		3.1E-04	3.2E-03	4.6E+01	2.0E-08	3.2E-03	7.0E+05	4.5E+01
VOC	1,2,4-Trichlorobenzene	120-82-1	1.0E+00		2.8E-06	9.0E-02	3.2E+04			9.0E-02		3.8E-04	2.0E-02	2.3E+02	2.0E-08	2.0E-02	4.4E+06	2.3E+02
VOC	1,1,1-Trichloroethane	71-55-6	1.0E+00		2.8E-06	7.0E+00	2.5E+06			7.0E+00		6.1E-03	5.0E+00	3.6E+03	2.0E-08	5.0E+00	1.1E+09	3.6E+03
VOC	1,1,2-Trichloroethane	79-00-5	1.0E+00		2.8E-06	4.0E-03	1.4E+03			4.0E-03		2.0E-03	1.1E-02	2.4E+01	2.0E-08	1.1E-02	2.4E+06	2.3E+01
VOC	Trichloroethene	79-01-6	1.0E+00		2.8E-06	5.0E-04	1.8E+02			5.0E-04		4.5E-03	2.1E-03	2.1E+00	2.0E-08	2.1E-03	4.7E+05	2.1E+00
VOC	Trichlorofluoromethane	75-69-4	1.0E+00		2.8E-06	7.0E-01	2.5E+05			7.0E-01		9.3E-03	1.2E+00	5.6E+02	2.0E-08	1.2E+00	2.6E+08	5.6E+02
VOC	1,2,3-Trichloropropane	96-18-4	1.0E+00		2.8E-06	3.0E-02	1.1E+04			3.0E-02		1.4E-03	3.0E-04	9.3E-01	2.0E-08	3.0E-04	6.6E+04	9.3E-01
VOC	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0E+00		2.8E-06	3.0E+01	1.1E+07			3.0E+01		9.5E-03	5.0E+01	2.3E+04	2.0E-08	5.0E+01	1.1E+10	2.3E+04
VOC	1,2,4-Trimethylbenzene	95-63-6	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02		1.5E-03	2.0E-01	5.7E+02	2.0E-08	2.0E-01	4.4E+07	5.5E+02
VOC	1,3,5-Trimethylbenzene	108-67-8	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02		1.1E-03	2.0E-01	8.0E+02	2.0E-08	2.0E-01	4.4E+07	7.6E+02
VOC	Vinyl Acetate	108-05-4	1.0E+00		2.8E-06	1.0E+00	3.5E+05			1.0E+00		2.1E-03	2.5E+00	5.2E+03	2.0E-08	2.5E+00	5.4E+08	5.1E+03
VOC	Vinyl Chloride	75-01-4	1.0E+00		2.8E-06	3.0E-03	1.1E+03			3.0E-03		9.3E-03	5.1E-02	2.4E+01	2.0E-08	5.1E-02	1.1E+07	2.4E+01
VOC	Xylenes (total)	1330-20-7	1.0E+00		2.8E-06	2.0E-01	7.1E+04			2.0E-01		3.0E-03	3.0E-01	4.4E+02	2.0E-08	3.0E-01	6.6E+07	4.4E+02
SVOC	t-Amyl methyl ether	994-05-8	1.0E+00		2.8E-06										2.0E-08			
SVOC	Hexachlorobutadiene	87-68-3	1.0E+00		2.8E-06	1.0E-03	3.5E+02	1.0E-01	1.5E-06	1.0E-03	6.5E+02	2.3E-04	4.0E-03	7.6E+01	2.0E-08	4.0E-03	8.8E+05	5.7E+01
SVOC	Naphthalene	91-20-3	1.0E+00		2.8E-06	2.0E-01	7.1E+04	1.3E-01	2.0E-06	2.0E-01	9.9E+04	2.9E-04	3.0E-03	4.5E+01	2.0E-08	3.0E-03	6.6E+05	4.5E+01
PEST	Chlordane (total)	57-74-9	1.0E+00		2.8E-06	6.0E-04	2.1E+02	4.0E-02	6.2E-07	6.0E-04	9.7E+02	5.4E-06	7.0E-04	5.6E+02	2.0E-08	7.0E-04	1.5E+05	1.3E+02
PEST	4,4'-DDE	72-55-9	1.0E+00		2.8E-06	5.0E-04	1.8E+02	3.0E-02	4.6E-07	5.0E-04	1.1E+03	6.7E-07	2.0E-03	1.3E+04	2.0E-08	2.0E-03	4.4E+05	1.5E+02
PEST	4,4'-DDT	50-29-3	1.0E+00		2.8E-06	5.0E-04	1.8E+02	3.0E-02	4.6E-07	5.0E-04	1.1E+03	5.5E-07			2.0E-08			1.5E+02
PEST	Dieldrin	60-57-1	1.0E+00		2.8E-06	1.0E-04	3.5E+01	1.0E-01	1.5E-06	1.0E-04	6.5E+01	7.7E-06	2.0E-04	1.1E+02	2.0E-08	2.0E-04	4.4E+04	1.9E+01
PEST	Toxaphene	8001-35-2	1.0E+00		2.8E-06	3.0E-04	1.1E+02	1.0E-01	1.5E-06	3.0E-04	1.9E+02	1.5E-06			2.0E-08			6.9E+01
PDIST	Diesel Range Organics (Aliphatics)	DRO-ALIP	1.0E+00		2.8E-06	1.0E-01	3.5E+04			1.0E-01		8.7E-03	2.0E-01	1.0E+02	2.0E-08	2.0E-01	4.4E+07	1.0E+02
PDIST	Diesel Range Organics (Aromatics)	DRO-AROM	1.0E+00		2.8E-06	4.0E-03	1.4E+03			4.0E-03		8.7E-03	5.0E-02	2.5E+01	2.0E-08	5.0E-02	1.1E+07	2.5E+01
PDIST	Gasoline Range Organics (Aliphatics)	GRO-ALIP	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02		9.8E-03	7.0E-01	3.1E+02	2.0E-08	7.0E-01	1.5E+08	3.0E+02
PDIST	Gasoline Range Organics (Aromatics)	GRO-AROM	1.0E+00		2.8E-06							9.8E-03			2.0E-08			
PDIST	Motor Oil (Aliphatics)	M-OIL-ALIP	1.0E+00		2.8E-06	2.0E+00	7.1E+05			2.0E+00					2.0E-08			7.1E+05
PDIST	Motor Oil (Aromatics)	M-OIL-AROM	1.0E+00		2.8E-06	3.0E-02	1.1E+04			3.0E-02					2.0E-08			1.1E+04
PCB	Aroclor-1254	11097-69-1	1.0E+00		2.8E-06	5.0E-05	1.8E+01	1.4E-01	2.2E-06	5.0E-05	2.3E+01	1.3E-05	8.0E-05	2.7E+01	2.0E-08	8.0E-05	1.8E+04	7.3E+00
PCB	Aroclor-1260	11096-82-5	1.0E+00		2.8E-06	5.0E-05	1.8E+01	1.4E-01	2.2E-06	5.0E-05	2.3E+01	1.8E-05	8.0E-05	1.9E+01	2.0E-08	8.0E-05	1.8E+04	6.6E+00
PCB	Aroclor-1268	11100-14-4	1.0E+00		2.8E-06	5.0E-05	1.8E+01	1.4E-01	2.2E-06	5.0E-05	2.3E+01		8.0E-05		2.0E-08	8.0E-05	1.8E+04	1.0E+01
INORG	Arsenic	7440-38-2	1.0E+00	0.6	2.8E-06	5.0E-03	2.9E+03	3.0E-02	4.6E-07	5.0E-03	1.1E+04		1.5E-05		2.0E-08	1.5E-05	3.3E+03	1.4E+03
INORG	Barium	7440-39-3	1.0E+00		2.8E-06	2.0E-01	7.1E+04			1.4E-02			5.0E-04		2.0E-08	5.0E-04	1.1E+05	4.3E+04
INORG	Beryllium	7440-41-7	1.0E+00		2.8E-06	2.0E-04	7.1E+01			1.4E-06			7.0E-06		2.0E-08	7.0E-06	1.5E+03	6.8E+01
INORG	Cadmium	7440-43-9	1.0E+00		2.8E-06	5.0E-04	1.8E+02	1.0E-03	1.5E-08	1.3E-05	8.1E+02		9.0E-04		2.0E-08	9.0E-04	2.0E+05	1.5E+02
INORG	Chromium (total)	7440-47-3	1.0E+00		2.8E-06	1.5E+00	5.3E+05			2.0E-02			5.0E-03		2.0E-08	5.0E-03	1.1E+06	3.6E+05
INORG	Cobalt	7440-48-4	1.0E+00		2.8E-06	3.0E-03	1.1E+03			3.0E-03			2.0E-05		2.0E-08	2.0E-05	4.4E+03	8.5E+02
INORG	Copper	7440-50-8	1.0E+00		2.8E-06	4.0E-02	1.4E+04			4.0E-02					2.0E-08			1.4E+04
INORG	Lead	7439-92-1	1.0E+00		2.8E-06										2.0E-08			
INORG	Molybdenum	7439-98-7	1.0E+00		2.8E-06	6.0E-02	2.1E+04			6.0E-02			2.0E-03		2.0E-08	2.0E-03	4.4E+05	2.0E+04
INORG	Nickel	7440-02-0	1.0E+00		2.8E-06	2.0E-02	7.1E+03			8.0E-04			1.4E-05		2.0E-08	1.4E-05	3.1E+03	2.1E+03
INORG	Thallium	7440-28-0	1.0E+00		2.8E-06	1.0E-05	3.5E+00			1.0E-05					2.0E-08			3.5E+00
INORG	Vanadium	7440-62-2	1.0E+00		2.8E-06	1.0E-02	3.5E+03			2.6E-04			1.0E-04		2.0E-08	1.0E-04	2.2E+04	3.0E+03
INORG	Zinc	7440-66-6	1.0E+00		2.8E-06	3.0E-01	1.1E+05			3.0E-01					2.0E-08			1.1E+05
CDDF	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TEQ)	1746-01-6-TEQ	1.0E+00		2.8E-06	7.0E-10	2.5E-04	3.0E-02	4.6E-07	7.0E-10	1.5E-03	2.7E-06	4.0E-08	6.6E-02	2.0E-08	4.0E-08	8.8E+00	2.1E-04

Notes:
The concentration of particulates in the air is assumed to be no more than the annual average California Ambient Air Quality Standards for PM_{10} of 20 ug/m^3.
Noncancer RBSLs are calculated at a target HQ of 1.

Appendix F

LeadSpread-9 Lead Risk Assessment Spreadsheet for Student and School Worker

Appendix F

LeadSpread-9 Lead Risk Assessment Spreadsheet for Student and School Worker

Centennial High School, 2606 North Central Avenue, Compton, CA

INPUT

MEDIUM	LEVEL
Lead in Soil/Dust (µg/g)	80
Respirable Dust (µg/cubic m)	1.5

EXPOSURE PARAMETERS

Parameter	units	adults	children
Days per week	days/wk	5	
Days per week, occupational	-	5	
Geometric Standard Deviation	-	1.6	
Blood lead level of concern	(µg/dl)	1.1	1
Skin area, residential	square cm	6032	5869
Skin area occupational	square cm	6032	
Soil adherence	µg/square cm	70	70
Dermal uptake constant	(µg/dl)/(µg/day)	0.00027	0.00048
Soil ingestion	mg/day	30	30
Soil ingestion, pica	mg/day		1000
Ingestion constant	(µg/dl)/(µg/day)	0.09	0.16
Bioavailability	unitless	0.6	
Breathing rate	cubic meter/day	20	10
Inhalation constant	(µg/dl)/(µg/day)	0.082	0.192

Click here for REFERENCES

OUTPUT

ENDPOINT and RECEPTOR	50th Percentile Change in Blood Pb (µg/dl)	90th Percentile Change in Blood Pb (µg/dl)	95th Percentile Change in Blood Pb (µg/dl)	PRG-90 (µg/g)	PRG-95 (µg/g)
BLOOD Pb, ADULT	0.1	0.2	0.2	499	421
BLOOD Pb, CHILD	0.2	0.3	0.4	255	216
BLOOD Pb, PICA CHILD	5.5	10.0	11.9	8	7
BLOOD Pb, OCCUPATIONAL	0.1	0.2	0.2	499	421

PATHWAYS

ADULTS	Residential Pathway Contribution	Residential Pathway Contribution	Residential Pathway Contribution	Occupational Pathway contribution	Occupational Pathway contribution	Occupational Pathway contribution
Pathway	PEF*	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	4.9E-5	0.00	4%	4.9E-5	0.00	4%
Soil Ingestion	1.2E-3	0.09	96%	1.2E-3	0.09	96%
Inhalation	1.8E-6	0.00	0.1%	1.8E-6	0.00	0.1%

CHILDREN	Typical Pathway contribution	Typical Pathway contribution	Typical Pathway contribution	with pica Pathway contribution	with pica Pathway contribution	with pica Pathway contribution
Pathway	PEF*	µg/dl	percent	PEF	µg/dl	percent
Soil Contact	8.5E-5	0.01	3.9%		0.01	0.1%
Soil Ingestion	2.1E-3	0.16	96%	6.9E-2	5.49	100%
Inhalation	2.1E-6	0.00	0.1%		0.00	0.0%

Click here for Equations

*Pathway Exposure Factor

Appendix G

UCLM Supporting Information and Calculations

Appendix G
Table 1
ProUCL Input - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

Conc	D_Conc
12.5	1
4.1	1
21	1
12	1
30	1
10	1
160	1
200	1
21	1
21	1
23	1
56.5	1
46	1
37	1
7.7	1
9	1
26	1
27	1
90	1
51	1
39	1
130	1
5.3	1
7.8	1
35	1
36	1
74	1
9.1	1
65	1
6.1	1
50	1
51	1
120	1
70	1
25	1
51	1
36	1
42	1
79	1
8.5	1
26	1

Appendix G
Table 1
ProUCL Input - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

Conc	D_Conc
8.5	1
12	1
20	1
25	1
84	1
35	1
21	1
190	1
110	1
6.35	1
5.4	1
7.2	1
40	1
24	1
26	1
66	1
13	1
84	1
3.6	1
6.1	1
10	1
43	1
9.8	1
44	1
17	1
32	1
15	1
40	1
83	1
25	1
11	1
10	1
4.2	1
35	1
12	1
64	1
37	1
29	1
31	1
29	1
42	1

Appendix G
Table 1
ProUCL Input - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

Conc	D_Conc
49	1
34	1
41	1
80	1
25	1
32	1
32	1
280	1
45	1
50	1
15	1
38	1
8	1
15	1
25	1
16	1
39	1
21	1
20	1
68	1
48	1
36	1
70	1
44	1
42	1
35	1
45	1
18	1
28	1
14.5	1
9.1	1
10	1
13	1
6.4	1
9.1	1
23	1
16	1
70	1
58	1
4.3	1
8.4	1

Appendix G
Table 1
ProUCL Input - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

Conc	D_Conc
31	1
38	1
20	1
10	1
15	1
18	1
24	1
27	1
34	1
81	1
32	1
33	1
16.5	1
36	1
23	1
23	1
70	1
30	1
35	1
3.9	1
6.8	1
32	1
30	1
48	1
4.2	1
4.2	1
21	1
11	1
19	1
11	1
36	1
16	1
6.5	1
43	1
26	1
9.6	1
31	1
48	1
13	1
47	1
30	1

Appendix G
Table 1
ProUCL Input - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

Conc	D_Conc
32	1
5.8	1
12	1
110	1
73	1
7.1	1
10.3	1
44	1
22	1
13	1
19	1
15	1
21	1
18	1
38	1
12	1

Appendix G
Table 2
ProUCL Output - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

1	**UCL Statistics for Data Sets with Non-Detects**										
2											
3	User Selected Options										
4	Date/Time of Computation	ProUCL 5.2 4/17/2026 2:04:52 PM									
5	From File	20260417-CentennialHS-SO-Lead-ProUCLInput_a.xls									
6	Full Precision	OFF									
7	Confidence Coefficient	95%									
8	Number of Bootstrap Operations	2000									
9											
10											
11	**Conc**										
12											
13	**General Statistics**										
14	Total Number of Observations	180			Number of Distinct Observations	91					
15					Number of Missing Observations	0					
16	Minimum	3.6			Mean	35.15					
17	Maximum	280			Median	26					
18	SD	35.91			Std. Error of Mean	2.676					
19	Coefficient of Variation	1.021			Skewness	3.324					
20											
21	**Normal GOF Test**										
22	Shapiro Wilk Test Statistic	0.708			**Shapiro Wilk GOF Test**						
23	1% Shapiro Wilk P Value	0			Data Not Normal at 1% Significance Level						
24	Lilliefors Test Statistic	0.19			**Lilliefors GOF Test**						
25	1% Lilliefors Critical Value	0.0768			Data Not Normal at 1% Significance Level						
26	**Data Not Normal at 1% Significance Level**										
27											
28	**Assuming Normal Distribution**										
29	**95% Normal UCL**				**95% UCLs (Adjusted for Skewness)**						
30	95% Student's-t UCL	39.58			95% Adjusted-CLT UCL (Chen-1995)	40.26					
31					95% Modified-t UCL (Johnson-1978)	39.69					
32											
33	**Gamma GOF Test**										
34	A-D Test Statistic	1.3			**Anderson-Darling Gamma GOF Test**						
35	5% A-D Critical Value	0.771			Data Not Gamma Distributed at 5% Significance Level						
36	K-S Test Statistic	0.0757			**Kolmogorov-Smirnov Gamma GOF Test**						
37	5% K-S Critical Value	0.0701			Data Not Gamma Distributed at 5% Significance Level						
38	**Data Not Gamma Distributed at 5% Significance Level**										
39											
40	**Gamma Statistics**										
41	k hat (MLE)	1.506			k star (bias corrected MLE)	1.485					
42	Theta hat (MLE)	23.33			Theta star (bias corrected MLE)	23.67					
43	nu hat (MLE)	542.3			nu star (bias corrected)	534.6					
44	MLE Mean (bias corrected)	35.15			MLE Sd (bias corrected)	28.85					
45					Approximate Chi Square Value (0.05)	482					
46	Adjusted Level of Significance	0.0487			Adjusted Chi Square Value	481.6					
47											

Appendix G
Table 2
ProUCL Output - Lead
Centennial High School, 2606 North Central Avenue, Compton, CA

	A	B	C	D	E	F	G	H	I	J	K	L
48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL					38.99	95% Adjusted Gamma UCL					39.02
50												
51	**Lognormal GOF Test**											
52	Shapiro Wilk Test Statistic					0.975	**Shapiro Wilk Lognormal GOF Test**					
53	10% Shapiro Wilk P Value					0.132	Data appear Lognormal at 10% Significance Level					
54	Lilliefors Test Statistic					0.0619	**Lilliefors Lognormal GOF Test**					
55	10% Lilliefors Critical Value					0.0608	Data Not Lognormal at 10% Significance Level					
56	**Data appear Approximate Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59	Minimum of Logged Data					1.281	Mean of logged Data					3.192
60	Maximum of Logged Data					5.635	SD of logged Data					0.866
61												
62	**Assuming Lognormal Distribution**											
63	95% H-UCL					40.46	90% Chebyshev (MVUE) UCL					43.27
64	95% Chebyshev (MVUE) UCL					46.87	97.5% Chebyshev (MVUE) UCL					51.86
65	99% Chebyshev (MVUE) UCL					61.68						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data appear to follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71	95% CLT UCL					39.55	95% BCA Bootstrap UCL					40.18
72	95% Standard Bootstrap UCL					39.6	95% Bootstrap-t UCL					40.7
73	95% Hall's Bootstrap UCL					40.9	95% Percentile Bootstrap UCL					39.66
74	90% Chebyshev(Mean, Sd) UCL					43.18	95% Chebyshev(Mean, Sd) UCL					46.82
75	97.5% Chebyshev(Mean, Sd) UCL					51.87	99% Chebyshev(Mean, Sd) UCL					61.78
76												
77	**Suggested UCL to Use**											
78	95% H-UCL					40.46						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												