

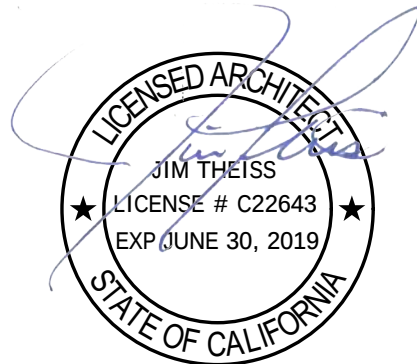


PARKWAY HEIGHTS MIDDLE SCHOOL MODERNIZATION - PHASE II PROJECT 01-18

Addendum 03

March 1st, 2018

**DSA File Number: 41-28
DSA Application Number: 01-116522
PTN: 69070-97**



Date: 03/01/2018

Owner:

South San Francisco Unified School District
398 B Street
South San Francisco, CA 94080

Architect:

Quattrocchi Kwok Architects
636 Fifth Street
Santa Rosa, California 95404
P: 707.576.0829
F: 707.576.0295

**District's Project No.: 01-18
Architect's Project No.: 1277.04**

To: Prospective Bidders

The following changes, modifications and additions to Project Manual and Drawings described below are made a part thereof and are subject to all of the requirements thereof as if originally specified. The Bidder must acknowledge receipt of the Addendum in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification.

Table of Contents - Addendum 03

Deleted Text is shown in ~~strikeout type~~.

Added Text is shown in ~~Underlined~~ ***bold italicized type***.

ATTACHMENTS:

Project Manual

00 31 32 Geotechnical Data
00 45 46.03 Drug Free Workplace Certification

Drawings: (30 inch by 42 inch)

None

ADD Drawings (8.5 inch by 11 inch & 11 inch by 17 inch):

ADD 03.01 Site Demolition Notes

Project Record

Pre-Bid Sign-in sheet: February 27, March 1 & March 13
Prequalified Contractor List

End of Table of Contents

A. CHANGES TO PREVIOUS ADDENDA

None

B. CHANGES TO THE BIDDING AND CONTRACT REQUIREMENTS

Item No. 3. 01

Modification to Spec Section 00 11 16 NOTICE TO BIDDERS

10. A mandatory pre-bid conference and site visit will be held on February 22, 2018 and March 1, 2018, **and March 13** at 10:00 a.m., at Parkway Heights Middle School, 650 Sunset Avenue, South San Francisco, California. All participants are required to sign in front of the project classroom building. The site visit is expected to take approximately 1 (one) hour. Failure to attend or tardiness to one of the site visits will render bid ineligible.

Item No. 3. 02

Add spec section 00 31 32 GEOTECHNICAL DATA.

Item No. 3. 03

Add spec section 00 45 46.03 DRUG FREE WORKPLACE CERTIFICATION.

Item No. 3. 04

Add Pre-Qualified Contractors list

Item No. 3. 05

Add Pre Bid Sign in Sheet for March 13

C. CHANGES/ ADDITIONS TO THE SPECIFICATIONS

Item No. 3. 06

Delete spec section 32 12 23 PAVEMENT MARKINGS AND SIGNS

Spec section 32 12 23.10 PAVEMENT MARKINGS AND SIGNS correct specification number to read 32 12 23.~~10~~ PAVEMENT MARKINGS AND SIGNS

D. CHANGES/ ADDITIONS TO THE DRAWINGS

Item No. 3. 07

Sheet A-1.1 SITE PLAN - ACCESS

Add Site Demolition Notes

Item No. 3. 08

Sheet A-2.0 DEMO FLOOR PLAN

Add to DEMO GENERAL NOTES:

6. REMOVE ALL ITEMS AS REQ'D FOR NEW WORK SHOWN ELSEWHERE IN THESE DOCUMENTS.

E. BIDDERS QUESTIONS

Item No. 3. 09

Q: Please provide list of prequalified contractors.

A: See attached Prequalified Contractor List

END OF ADDENDUM

GEOTECHNICAL DATA

1. Summary

This document describes geotechnical data at or near the Project that is in the District's possession available for Contractor's review, and use of data resulting from various investigations. This document is **not** part of the Contract Documents. See General Conditions for definition(s) of terms used herein.

2. Geotechnical Reports

- a. Geotechnical reports may have been prepared for and around the Site and/or in connection with the Work by soil investigation engineers hired by South San Francisco Unified School District ("District"), and its consultants, contractors, and tenants.
- b. Geotechnical reports may be inspected at the District offices or the Construction Manager's offices, if any, and copies may be obtained at cost of reproduction and handling upon Bidder's agreement to pay for such copies. These reports are **not** part of the Contract Documents.
- c. The reports and drawings of physical conditions that may relate to the Project are the following:
 - (1) **Analytical Sampling and Texting of Soil by Geosphere Consultants, Inc., dated January 23, 2013**
 - (2) **Engineering Geology and Seismology review by California Geological Survey dated June 6, 2013**

3. Use of Data

- a. Geotechnical data were obtained only for use of District and its consultants, contractors, and tenants for planning and design and are **not** a part of Contract Documents.
- b. Except as expressly set forth below, District does not warrant, and makes no representation regarding, the accuracy or thoroughness of any geotechnical data. Bidder represents and agrees that in submitting a bid it is not relying on any geotechnical data supplied by District, except as specifically allowed below.
- c. Under no circumstances shall District be deemed to make a warranty or representation of existing above ground conditions, as-built conditions, geotechnical conditions, or other actual conditions verifiable by independent investigation. These conditions are verifiable by Bidder by the performance of its own independent investigation that Bidder should perform as a condition to bidding and Bidder must not and shall not rely on information supplied by District.

4. Limited Reliance Permitted on Certain Information

- a. Reference is made herein for identification of:

Reports of explorations and tests of subsurface conditions at or contiguous to the Site that have been utilized by District in preparation of the Contract Documents.

Drawings of physical conditions in or relating to existing subsurface structures (except underground facilities) that are at or contiguous to the Site and have been utilized by District in preparation of the Contract Documents.

- b. Bidder may rely upon the general accuracy of the "technical data" contained in the reports and drawings identified above, but only insofar as it relates to subsurface conditions, provided Bidder has conducted the independent investigation required pursuant to Instructions to Bidders, and discrepancies are not apparent. The term "technical data" in the referenced reports and drawings shall be limited as follows:
- (1) The term "technical data" shall include actual reported depths, reported quantities, reported soil types, reported soil conditions, and reported material, equipment or structures that were encountered during subsurface exploration. The term "technical data" does not include, and Bidder may not rely upon, any other data, interpretations, opinions or information shown or indicated in such drawings or reports that otherwise relate to subsurface conditions or described structures.
 - (2) The term "technical data" shall not include the location of underground facilities.
 - (3) Bidder may not rely on the completeness of reports and drawings for the purposes of bidding or construction. Bidder may rely upon the general accuracy of the "technical data" contained in such reports or drawings.
 - (4) Bidder is solely responsible for any interpretation or conclusion drawn from any "technical data" or any other data, interpretations, opinions, or information provided in the identified reports and drawings.

5. Investigations/Site Examinations

- a. Before submitting a bid, each Bidder is responsible for conducting or obtaining any additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and underground facilities) at or contiguous to the Site or otherwise, that may affect cost, progress, performance, or furnishing of Work or that relate to any aspect of the means, methods, techniques, sequences, or procedures of construction to be employed by Bidder and safety precautions and programs incident thereto or that Bidder deems necessary to determine its Bid for performing and furnishing the Work in accordance with the time, price, and other terms and conditions of Contract Documents.

- b. On request, District will provide each Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies, as each Bidder deems necessary for submission of a bid. Bidders must fill all holes and clean up and restore the Site to its former condition upon completion of its explorations, investigations, tests, and studies. Such investigations and Site examinations may be performed during any and all Site visits indicated in the Notice to Bidders and only under the provisions of the Contract Documents, including, but not limited to, proof of insurance and obligation to indemnify against claims arising from such work, and District's prior approval.

END OF DOCUMENT



Geosphere Consultants, Inc.

AN ETS COMPANY

Geotechnical Engineering • Engineering Geology
Environmental Management • Water Resources

January 23, 2013

South San Francisco Unified School District
Measure J Bond Program
Facility Building
398 B Street
South San Francisco, California 94080

Attention: Mr. Bob Collins, Program Manager

Subject: **Analytical Sampling and Testing of Soil**
Parkway Heights Middle School
650 Sunset Avenue
South San Francisco, California 94080
Geosphere Project No. 91-02973-A

Dear Mr. Collins:

Pursuant to your request, **Geosphere Consultants, Inc.** (Geosphere) has provided analytical sampling and testing services of on-site soil for the subject site. Our representative visited the site on January 14, 2013 in South San Francisco, California. There we collected soil cuttings from the upper three feet using a hand auger. **Geosphere** is not aware of any past environmental issues or concerns at the site. **Geosphere** was not provided a Phase I ESA report for the site. The battery of testing performed was done in accordance with our proposal dated December 6, 2012.

Our representative collected cuttings from three feet in depth from Boring B-2. The sample #1 was a discrete sample. The soil sample was transported on ice to a California State-Certified laboratory for testing. Proper chain-of-custody procedures were followed. The composite samples were analyzed for the presence of CAM 17 Metals (EPA 6020), TPH gasoline with BTEX and MTBE (EPA 8015), TPH diesel and motor oil (EPA 8015), and PCBs and Pesticides (EPA 8081 and 8082), and STLC extraction for Arsenic, Lead, and Chromium.

It is our understanding that you do not require an opinion of the results or supplemental consulting including waste profiling and/or remediation consultation. For your assistance, the attached Table 1 compares the results to San Francisco Regional Water Quality Control Board for soils less than three meters in depth in commercial areas where water is not a current or potential source of drinking water. We note that waste facilities provided their own criteria for acceptance of off-haul material and these results should be provided and screened by them for acceptance or further testing requirements.



It is our pleasure to be of service to you. If you should have any questions regarding this letter or would like to request additional sampling or testing, please contact the undersigned at (925) 314-7180, ejs@geosphereinc.net. Other testing may require additional sampling depending on the quantity of sample remaining in the labs custody.

Sincerely,

GEOSPHERE CONSULTANTS, INC.

Roger J. Wilcox
Staff Engineer

Eric J. Swenson, CEG, GE
Principal Geotechnical Engineer

Distribution: 2 plus PDF to Addressee, rcollins@ssfusd.org
PDF to Daniel Nunez, dnunez@ssfusd.org

Attachment: Table 1 – Summary of Analytical Data
Chain of Custody
Accutest Report

RJW/EJS:pmf

R:\Geotech Projects by Number\2900-2999\91-02973-78 SSFUSD - 6 School Sites\91-02973- Parkway Heights MS\91-02973-A Analytical Testing Results.doc



Table 1
Soil Sample # 1
Discrete Soil Sample of Boring B-2 upper 3 Feet
SUMMARY OF ANALYTICAL DATA

Constituent	Reported Concentration (mg/kg)	SFRWQCB ESLs* (mg/kg)
4,4'-DDE	9.4 ug/kg	NA
4,4'-DDT	0.92	NA
Acetone	32.1 ug/kg	NA
Benzene	ND	0.044
Toluene	ND	2.9
Ethyl Benzene	ND	3.3
Total Xylenes	ND	2.3
MTBE	ND	0.023
Gasoline Range Organics	ND	83
Diesel Range Organics	3.39	83
Motor Oil	ND	370
Antimony	<1.7	40
Arsenic**	2.7	1.6
Barium	30.0	1500
Beryllium	<0.85	8.0
Cadmium	<0.85	7.4
Chromium – Total	41.4	NA
Cobalt	5.3	80
Copper	6.9	230
Lead	7.4	750
Mercury	<0.039	10
Molybdenum	<1.7	40
Nickel	26.7	150
Selenium	<1.7	10
Silver	<0.85	40
Thallium	<1.7	16
Vanadium	35.6	200
Zinc	24.9	600

ND Non Detectable

NA Not Applicable/Available

*ESLs from San Francisco Regional Water Quality Control Board for Shallow Soils (<3m) Commercial/Industrial Land Use where groundwater is not a current or potential source for drinking water

**STLC results for Arsenic were <0.25 mg/l

Reported Concentrations in bold exceed the corresponding screening value also in bold



01/21/13

Technical Report for

Geosphere Consultants

Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca
91-02973-A

Accutest Job Number: C25717

Sampling Date: 01/14/13

Report to:

Geosphere Consultants
2001 Crow Canyon Road Suite #100
San Ramon, CA 94566
rjw@geosphereinc.net; rshrestha@geosphereinc.com
ATTN: Roger Wilcox

Total number of pages in report: **65**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read 'James J. Rhudy'.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Summary of Hits	4
Section 3: Sample Results	5
3.1: C25717-1: PARKWAY HEIGHTS MS	6
3.2: C25717-1W: PARKWAY HEIGHTS MS	16
Section 4: Misc. Forms	17
4.1: Chain of Custody	18
Section 5: GC/MS Volatiles - QC Data Summaries	20
5.1: Method Blank Summary	21
5.2: Blank Spike/Blank Spike Duplicate Summary	24
5.3: Laboratory Control Sample Summary	27
5.4: Matrix Spike/Matrix Spike Duplicate Summary	28
Section 6: GC/MS Semi-volatiles - QC Data Summaries	31
6.1: Method Blank Summary	32
6.2: Blank Spike/Blank Spike Duplicate Summary	35
6.3: Matrix Spike/Matrix Spike Duplicate Summary	38
Section 7: GC Semi-volatiles - QC Data Summaries	41
7.1: Method Blank Summary	42
7.2: Blank Spike/Blank Spike Duplicate Summary	45
7.3: Matrix Spike/Matrix Spike Duplicate Summary	49
Section 8: Metals Analysis - QC Data Summaries	51
8.1: Prep QC MP5733: Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn	52
8.2: Prep QC MP5742: Hg	57
8.3: Prep QC MP5756: As,Cr	61



Sample Summary

Geosphere Consultants

Job No: C25717

Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca
Project No: 91-02973-A

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
C25717-1	01/14/13	12:30	RS	01/14/13	SO	Soil	PARKWAY HEIGHTS MS
C25717-1W	01/14/13	12:30	RS	01/14/13	SO	Soil	PARKWAY HEIGHTS MS

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Page 1 of 1

Job Number: C25717
Account: Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca
Collected: 01/14/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

C25717-1 PARKWAY HEIGHTS MS

Acetone	32.1 J	39	9.8	ug/kg	SW846 8260B
TPH (C10-C28)	3.39 J	9.9	2.5	mg/kg	SW846 8015B M
4,4'-DDE	9.4	3.3	0.60	ug/kg	SW846 8081A
4,4'-DDT	0.92 J	3.3	0.50	ug/kg	SW846 8081A
Arsenic	2.7	1.7		mg/kg	SW846 6010B
Barium	30.0	17		mg/kg	SW846 6010B
Chromium	41.4	0.85		mg/kg	SW846 6010B
Cobalt	5.3	0.85		mg/kg	SW846 6010B
Copper	6.9	2.1		mg/kg	SW846 6010B
Lead	7.4	1.7		mg/kg	SW846 6010B
Nickel	26.7	0.85		mg/kg	SW846 6010B
Vanadium	35.6	0.85		mg/kg	SW846 6010B
Zinc	24.9	1.7		mg/kg	SW846 6010B

C25717-1W PARKWAY HEIGHTS MS

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M37308.D	1	01/16/13	XB	n/a	n/a	VM1132
Run #2							

	Initial Weight
Run #1	5.09 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	32.1	39	9.8	ug/kg	J
71-43-2	Benzene	ND	4.9	0.49	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.49	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	0.49	ug/kg	
75-25-2	Bromoform	ND	4.9	0.49	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	0.49	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	0.49	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.49	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.98	ug/kg	
67-66-3	Chloroform	ND	4.9	0.49	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.49	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	0.49	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	0.49	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	0.49	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	0.49	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	0.49	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.49	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.9	0.49	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	0.49	ug/kg	
124-48-1	Dibromochloromethane	ND	4.9	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.98	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	0.49	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.49	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.49	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.49	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PARKWAY HEIGHTS MS

Lab Sample ID: C25717-1

Date Sampled: 01/14/13

Matrix: SO - Soil

Date Received: 01/14/13

Method: SW846 8260B

Percent Solids: n/a ^a

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.49	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.9	0.49	ug/kg	
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	0.98	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	0.49	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	4.9	0.98	ug/kg	
74-87-3	Methyl chloride	ND	4.9	0.98	ug/kg	
74-95-3	Methylene bromide	ND	4.9	0.49	ug/kg	
75-09-2	Methylene chloride	ND	20	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	0.98	ug/kg	
91-20-3	Naphthalene	ND	4.9	0.98	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	0.49	ug/kg	
100-42-5	Styrene	ND	4.9	0.49	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.9	0.49	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	39	9.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	0.49	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	0.98	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.49	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	0.59	ug/kg	
108-88-3	Toluene	ND	4.9	0.49	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	0.49	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.98	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	0.98	ug/kg	
1330-20-7	Xylene (total)	ND	9.8	0.98	ug/kg	
	TPH-GRO (C6-C10)	ND	98	49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		71-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8260B		
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	102%		82-121%
460-00-4	4-Bromofluorobenzene	84%		80-120%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8270C SW846 3550B		
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y18508.D	1	01/16/13	MT	01/14/13	OP7338	EY872
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	660	160	ug/kg	
95-57-8	2-Chlorophenol	ND	170	71	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	71	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	77	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	62	ug/kg	
95-48-7	2-Methylphenol	ND	170	88	ug/kg	
	3&4-Methylphenol	ND	330	78	ug/kg	
88-75-5	2-Nitrophenol	ND	170	79	ug/kg	
100-02-7	4-Nitrophenol	ND	330	39	ug/kg	
87-86-5	Pentachlorophenol	ND	330	33	ug/kg	
108-95-2	Phenol	ND	170	69	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	75	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	70	ug/kg	
83-32-9	Acenaphthene	ND	170	73	ug/kg	
208-96-8	Acenaphthylene	ND	170	78	ug/kg	
62-53-3	Aniline	ND	170	44	ug/kg	
120-12-7	Anthracene	ND	170	53	ug/kg	
103-33-3	Azobenzene	ND	170	59	ug/kg	
92-87-5	Benzidine	ND	660	79	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	43	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	75	ug/kg	
106-47-8	4-Chloroaniline	ND	170	50	ug/kg	
86-74-8	Carbazole	ND	170	34	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS		Date Sampled:	01/14/13
Lab Sample ID:	C25717-1		Date Received:	01/14/13
Matrix:	SO - Soil		Percent Solids:	n/a ^a
Method:	SW846 8270C SW846 3550B			
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca			

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	74	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	66	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	75	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	73	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	71	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	74	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	69	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	41	ug/kg	
132-64-9	Dibenzofuran	ND	170	73	ug/kg	
122-39-4	Diphenylamine	ND	170	65	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	34	ug/kg	
84-66-2	Diethyl phthalate	ND	170	56	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	69	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	72	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	70	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	96	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	92	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	42	ug/kg	
78-59-1	Isophorone	ND	170	69	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	79	ug/kg	
88-74-4	2-Nitroaniline	ND	170	67	ug/kg	
99-09-2	3-Nitroaniline	ND	170	50	ug/kg	
100-01-6	4-Nitroaniline	ND	170	43	ug/kg	
91-20-3	Naphthalene	ND	170	77	ug/kg	
98-95-3	Nitrobenzene	ND	170	77	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	66	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	72	ug/kg	
85-01-8	Phenanthrene	ND	170	58	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	
110-86-1	Pyridine	ND	330	45	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	75	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8270C SW846 3550B		
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		14-99%
4165-62-2	Phenol-d5	73%		18-100%
118-79-6	2,4,6-Tribromophenol	85%		25-107%
4165-60-0	Nitrobenzene-d5	67%		15-101%
321-60-8	2-Fluorobiphenyl	69%		15-104%
1718-51-0	Terphenyl-d14	84%		56-123%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a ^a
Method:	SW846 8081A SW846 3550B		
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MM013629.D	1	01/15/13	RV	01/15/13	OP7343	GMM365
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	3.3	0.40	ug/kg	
319-84-6	alpha-BHC	ND	3.3	0.37	ug/kg	
319-85-7	beta-BHC	ND	3.3	0.80	ug/kg	
319-86-8	delta-BHC	ND	3.3	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.3	0.40	ug/kg	
12789-03-6	Chlordane	ND	33	3.3	ug/kg	
60-57-1	Dieldrin	ND	3.3	0.60	ug/kg	
72-54-8	4,4' -DDD	ND	3.3	0.70	ug/kg	
72-55-9	4,4' -DDE	9.4	3.3	0.60	ug/kg	
50-29-3	4,4' -DDT	0.92	3.3	0.50	ug/kg	J
72-20-8	Endrin	ND	3.3	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.3	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	3.3	0.57	ug/kg	
33213-65-9	Endosulfan-II	ND	3.3	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.3	0.57	ug/kg	
76-44-8	Heptachlor	ND	3.3	0.47	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	3.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		31-113%
877-09-8	Tetrachloro-m-xylene	99%		31-113%
2051-24-3	Decachlorobiphenyl	108%		61-129%
2051-24-3	Decachlorobiphenyl	117%		61-129%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS				
Lab Sample ID:	C25717-1			Date Sampled:	01/14/13
Matrix:	SO - Soil			Date Received:	01/14/13
Method:	SW846 8082 SW846 3550B			Percent Solids:	n/a ^a
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OO035784.D	1	01/15/13	AG	01/15/13	OP7344	GOO1101
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		38-109%
877-09-8	Tetrachloro-m-xylene	79%		38-109%
2051-24-3	Decachlorobiphenyl	83%		49-138%
2051-24-3	Decachlorobiphenyl	71%		49-138%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS					Date Sampled:	01/14/13
Lab Sample ID:	C25717-1					Date Received:	01/14/13
Matrix:	SO - Soil					Percent Solids:	n/a ^a
Method:	SW846 8015B M SW846 3545A						
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH029943.D	1	01/15/13	JH	01/14/13	OP7339	GHH897
Run #2							

	Initial Weight	Final Volume
Run #1	10.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	3.39	9.9	2.5	mg/kg	J
	TPH (> C28-C40)	ND	20	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	72%		37-122%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PARKWAY HEIGHTS MS**Lab Sample ID:** C25717-1**Matrix:** SO - Soil**Date Sampled:** 01/14/13**Date Received:** 01/14/13**Percent Solids:** n/a ^a**Project:** Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca**Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 1.7	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Arsenic	2.7	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Barium	30.0	17	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Beryllium	< 0.85	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Cadmium	< 0.85	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Chromium	41.4	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Cobalt	5.3	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Copper	6.9	2.1	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Lead	7.4	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Mercury	< 0.039	0.039	mg/kg	1	01/16/13	01/17/13 RW	SW846 7471A ¹	SW846 7471A ⁴
Molybdenum	< 1.7	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Nickel	26.7	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Selenium	< 1.7	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Silver	< 0.85	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Thallium	< 1.7	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Vanadium	35.6	0.85	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³
Zinc	24.9	1.7	mg/kg	1	01/15/13	01/17/13 RS	SW846 6010B ²	SW846 3050B ³

(1) Instrument QC Batch: MA2937

(2) Instrument QC Batch: MA2938

(3) Prep QC Batch: MP5733

(4) Prep QC Batch: MP5742

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PARKWAY HEIGHTS MS	Date Sampled:	01/14/13
Lab Sample ID:	C25717-1W	Date Received:	01/14/13
Matrix:	SO - Soil	Percent Solids:	n/a
Project:	Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca		

Metals Analysis, STLC Leachate CA WET

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 0.25	0.25		mg/l	1	01/19/13	01/21/13 RS	SW846 6010B ¹	SW3010A ²
Chromium	< 0.25	0.25		mg/l	1	01/19/13	01/21/13 RS	SW846 6010B ¹	SW3010A ²

(1) Instrument QC Batch: MA2943
(2) Prep QC Batch: MP5756

RL = Reporting Limit
MCL = Maximum Contamination Level (not available)

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

GEO SCASR 4906

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest NC Job #: C25717	
8260 Full Lit ☐ 634 ☐ TPH as Gasoline 8260Petro (Includes BTX / MIBE / TBA / EBE / DIPE / YAME / 1,2-DCI / EDND) TPH as Gas ☐ 8270 ☐ PAHs only ☐ 625 ☐ +TICs ☐ TPH-Extractable Diesel - Motor Oil - Other With Silica Gel Cleanup ☐ METALS: <u>CAM-17</u> <u>UFT-5</u> RCRA-92 PPM-132 ☐ <u>Pesticides-3081</u> <u>PCBs-3082</u> <u>308</u> ☐ BTX-MIBE-TPH as Gasoline <u>GC/MS</u> <u>GC/MS</u> ☐ VOCs ☐ SVOCs ☐ STL Arsenic, Chromium ☐		Matrix Codes WW- Wastewater GW- Ground Water SW- Surface Water SO- Soil OI-Oil WP-Wipe LIQ - Non-aqueous Liquid AIR DW- Drinking Water (Perchlorate Only)	
		LAB USE ONLY	
Comments / Remarks			
courier delivery.		Date Time: _____ Received By: _____ Date Time: _____ Received By: _____ 4 Appropriate Bottle / Recept ☒ Y ☐ N Headspace Y ☐ N ☒ A On Ice Y ☒ N Cooler Temp. _____ Labels match Coc ☒ Y ☐ N Separate Receiving Check List used: ☒ Y ☐ N 18.7-1.0=17.7	

4.1

C25717: Chain of Custody

Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C25717

Client: GEOSPHERE CONSULTANTS

Project: PARKWAY HEIGHTS

Date / Time Received: 1/14/2013

Delivery Method: Client

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (18.7/17.7): 0

Cooler Security

Y or N

- | | | | | | |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☐ | ☒ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☐ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|--------------------------|-------------------------------------|
| 1. Temp criteria achieved: | ☐ | ☒ |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | No Ice | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N N/A

- | | | | |
|---------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☐ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Comments

Accutest Laboratories
V: 408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www.accutest.com

C25717: Chain of Custody

Page 2 of 2

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: C25717**Account:** GEOSCASR Geosphere Consultants**Project:** Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-MB	M37298.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:**Method:** SW846 8260B

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Page 2 of 3

Job Number: C25717**Account:** GEOSCASR Geosphere Consultants**Project:** Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-MB	M37298.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:**Method:** SW846 8260B

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

Method Blank Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-MB	M37298.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 71-125%
2037-26-5	Toluene-D8	103% 82-121%
460-00-4	4-Bromofluorobenzene	84% 80-120%

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-BS	M37295.D	1	01/16/13	XB	n/a	n/a	VM1132
VM1132-BSD	M37296.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	137	86	140	88	2	62-130/24
71-43-2	Benzene	40	41.3	103	41.3	103	0	81-119/20
108-86-1	Bromobenzene	40	42.8	107	43.3	108	1	79-120/22
74-97-5	Bromochloromethane	40	41.9	105	42.2	106	1	81-120/19
75-27-4	Bromodichloromethane	40	38.6	97	38.8	97	1	79-124/20
75-25-2	Bromoform	40	41.9	105	42.5	106	1	76-128/21
104-51-8	n-Butylbenzene	40	41.0	103	41.0	103	0	79-123/26
135-98-8	sec-Butylbenzene	40	39.3	98	38.9	97	1	77-122/24
98-06-6	tert-Butylbenzene	40	39.7	99	40.9	102	3	77-121/23
108-90-7	Chlorobenzene	40	38.7	97	38.9	97	1	82-121/20
75-00-3	Chloroethane	40	40.7	102	39.5	99	3	80-126/21
67-66-3	Chloroform	40	38.5	96	38.7	97	1	82-123/20
95-49-8	o-Chlorotoluene	40	40.2	101	38.3	96	5	78-125/25
106-43-4	p-Chlorotoluene	40	36.6	92	38.3	96	5	75-125/26
56-23-5	Carbon tetrachloride	40	40.9	102	39.5	99	3	82-127/22
75-34-3	1,1-Dichloroethane	40	37.5	94	37.5	94	0	80-123/20
75-35-4	1,1-Dichloroethylene	40	40.5	101	39.9	100	1	76-123/19
563-58-6	1,1-Dichloropropene	40	42.1	105	42.1	105	0	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	35.8	90	37.4	94	4	64-133/23
106-93-4	1,2-Dibromoethane	40	39.6	99	41.4	104	4	80-120/20
107-06-2	1,2-Dichloroethane	40	37.5	94	37.0	93	1	76-132/21
78-87-5	1,2-Dichloropropane	40	39.5	99	39.5	99	0	80-121/20
142-28-9	1,3-Dichloropropane	40	38.7	97	40.1	100	4	78-120/20
108-20-3	Di-Isopropyl ether	40	38.6	97	39.4	99	2	78-126/19
594-20-7	2,2-Dichloropropane	40	38.9	97	38.2	96	2	77-132/22
124-48-1	Dibromochloromethane	40	39.6	99	40.4	101	2	76-121/21
75-71-8	Dichlorodifluoromethane	40	36.2	91	33.7	84	7	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	41.4	104	41.7	104	1	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	45.4	114	46.0	115	1	81-124/21
541-73-1	m-Dichlorobenzene	40	38.9	97	39.5	99	2	79-123/23
95-50-1	o-Dichlorobenzene	40	39.4	99	40.1	100	2	79-124/22
106-46-7	p-Dichlorobenzene	40	41.8	105	42.1	105	1	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	42.1	105	42.1	105	0	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	37.8	95	38.3	96	1	81-123/22
100-41-4	Ethylbenzene	40	41.1	103	41.1	103	0	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	39.7	99	40.1	100	1	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-BS	M37295.D	1	01/16/13	XB	n/a	n/a	VM1132
VM1132-BSD	M37296.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	142	89	147	92	3	68-139/24
87-68-3	Hexachlorobutadiene	40	43.5	109	43.8	110	1	81-126/32
98-82-8	Isopropylbenzene	40	38.1	95	38.2	96	0	81-122/22
99-87-6	p-Isopropyltoluene	40	39.1	98	39.0	98	0	81-121/23
108-10-1	4-Methyl-2-pentanone	160	144	90	147	92	2	74-136/23
74-83-9	Methyl bromide	40	44.9	112	41.0	103	9	82-124/20
74-87-3	Methyl chloride	40	35.1	88	33.0	83	6	60-132/26
74-95-3	Methylene bromide	40	40.0	100	40.3	101	1	82-120/20
75-09-2	Methylene chloride	40	41.5	104	43.2	108	4	75-119/20
78-93-3	Methyl ethyl ketone	160	147	92	152	95	3	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	37.7	94	39.0	98	3	79-127/19
91-20-3	Naphthalene	40	40.7	102	42.4	106	4	78-125/23
103-65-1	n-Propylbenzene	40	38.2	96	38.0	95	1	79-124/22
100-42-5	Styrene	40	41.7	104	42.3	106	1	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	39.1	98	39.4	99	1	80-127/20
75-65-0	Tert Butyl Alcohol	200	166	83	178	89	7	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	41.4	104	42.2	106	2	82-123/21
71-55-6	1,1,1-Trichloroethane	40	39.0	98	38.4	96	2	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	40.0	100	41.1	103	3	77-126/20
79-00-5	1,1,2-Trichloroethane	40	38.7	97	40.2	101	4	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	42.6	107	43.6	109	2	81-122/26
96-18-4	1,2,3-Trichloropropane	40	36.8	92	38.7	97	5	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	42.8	107	44.0	110	3	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	42.5	106	42.4	106	0	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	43.4	109	43.2	108	0	81-123/23
127-18-4	Tetrachloroethylene	40	42.4	106	42.3	106	0	80-125/25
108-88-3	Toluene	40	41.4	104	41.8	105	1	80-117/21
79-01-6	Trichloroethylene	40	43.2	108	43.3	108	0	81-122/20
75-69-4	Trichlorofluoromethane	40	39.2	98	37.5	94	4	77-133/22
75-01-4	Vinyl chloride	40	46.5	116	45.0	113	3	71-133/23
1330-20-7	Xylene (total)	120	117	98	119	99	2	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	100%	71-125%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-BS	M37295.D	1	01/16/13	XB	n/a	n/a	VM1132
VM1132-BSD	M37296.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	98%	100%	82-121%
460-00-4	4-Bromofluorobenzene	89%	90%	80-120%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1132-LCS	M37297.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	281	112	50-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	71-125%
2037-26-5	Toluene-D8	103%	82-121%
460-00-4	4-Bromofluorobenzene	88%	80-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C25725-5MS	M37313.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5MSD	M37314.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5 ^a	M37304.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Compound	C25725-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		8000	7360	92	6530	82	12	62-130/24
71-43-2	Benzene	ND		2000	1920	96	1860	93	3	81-119/20
108-86-1	Bromobenzene	ND		2000	2070	104	2040	102	1	79-120/22
74-97-5	Bromochloromethane	ND		2000	1990	100	1920	96	4	81-120/19
75-27-4	Bromodichloromethane	ND		2000	1800	90	1730	87	4	79-124/20
75-25-2	Bromoform	ND		2000	1930	97	1850	93	4	76-128/21
104-51-8	n-Butylbenzene	ND		2000	1850	93	1820	91	2	79-123/26
135-98-8	sec-Butylbenzene	ND		2000	1940	97	1930	97	1	77-122/24
98-06-6	tert-Butylbenzene	ND		2000	1960	98	1920	96	2	77-121/23
108-90-7	Chlorobenzene	ND		2000	1940	97	1900	95	2	82-121/20
75-00-3	Chloroethane	ND		2000	1890	95	1980	99	5	80-126/21
67-66-3	Chloroform	ND		2000	1760	88	1710	86	3	82-123/20
95-49-8	o-Chlorotoluene	ND		2000	1900	95	1910	96	1	78-125/25
106-43-4	p-Chlorotoluene	ND		2000	1830	92	1770	89	3	75-125/26
56-23-5	Carbon tetrachloride	ND		2000	1700	85	1640	82	4	82-127/22
75-34-3	1,1-Dichloroethane	ND		2000	1740	87	1700	85	2	80-123/20
75-35-4	1,1-Dichloroethylene	ND		2000	1800	90	1740	87	3	76-123/19
563-58-6	1,1-Dichloropropene	ND		2000	1780	89	1720	86	3	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		2000	1770	89	1650	83	7	64-133/23
106-93-4	1,2-Dibromoethane	ND		2000	1950	98	1870	94	4	80-120/20
107-06-2	1,2-Dichloroethane	ND		2000	1670	84	1590	80	5	76-132/21
78-87-5	1,2-Dichloropropane	ND		2000	1880	94	1830	92	3	80-121/20
142-28-9	1,3-Dichloropropane	ND		2000	1850	93	1800	90	3	78-120/20
108-20-3	Di-Isopropyl ether	ND		2000	1950	98	1880	94	4	78-126/19
594-20-7	2,2-Dichloropropane	ND		2000	1580	79	1520	76*	4	77-132/22
124-48-1	Dibromochloromethane	ND		2000	1890	95	1820	91	4	76-121/21
75-71-8	Dichlorodifluoromethane	ND		2000	1300	65	1260	63	3	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		2000	1950	98	1890	95	3	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		2000	1870	94	1790	90	4	81-124/21
541-73-1	m-Dichlorobenzene	ND		2000	1970	99	1970	99	0	79-123/23
95-50-1	o-Dichlorobenzene	ND		2000	2000	100	1970	99	2	79-124/22
106-46-7	p-Dichlorobenzene	ND		2000	1980	99	1940	97	2	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		2000	1910	96	1840	92	4	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		2000	1790	90	1710	86	5	81-123/22
100-41-4	Ethylbenzene	ND		2000	1860	93	1830	92	2	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		2000	1790	90	1700	85	5	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C25725-5MS	M37313.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5MSD	M37314.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5 ^a	M37304.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Compound	C25725-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		8000	6780	85	6300	79	7	68-139/24
87-68-3	Hexachlorobutadiene	ND		2000	1960	98	1890	95	4	81-126/32
98-82-8	Isopropylbenzene	ND		2000	1860	93	1830	92	2	81-122/22
99-87-6	p-Isopropyltoluene	ND		2000	1950	98	1930	97	1	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		8000	6930	87	6510	81	6	74-136/23
74-83-9	Methyl bromide	ND		2000	1940	97	2130	107	9	82-124/20
74-87-3	Methyl chloride	ND		2000	1660	83	1560	78	6	60-132/26
74-95-3	Methylene bromide	ND		2000	1880	94	1800	90	4	82-120/20
75-09-2	Methylene chloride	ND		2000	1940	97	1860	93	4	75-119/20
78-93-3	Methyl ethyl ketone	ND		8000	7570	95	7020	88	8	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		2000	1790	90	1690	85	6	79-127/19
91-20-3	Naphthalene	ND		2000	2000	100	1890	95	6	78-125/23
103-65-1	n-Propylbenzene	ND		2000	1930	97	1900	95	2	79-124/22
100-42-5	Styrene	ND		2000	1950	98	1880	94	4	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		2000	1820	91	1750	88	4	80-127/20
75-65-0	Tert Butyl Alcohol	ND		10000	8940	89	7890	79	12	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		2000	1900	95	1850	93	3	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		2000	1680	84	1630	82	3	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	1960	98	1870	94	5	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		2000	1930	97	1830	92	5	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		2000	1970	99	1890	95	4	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		2000	1830	92	1750	88	4	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		2000	1950	98	1910	96	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		2000	1920	96	1880	94	2	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		2000	1930	97	1900	95	2	81-123/23
127-18-4	Tetrachloroethylene	ND		2000	1960	98	1950	98	1	80-125/25
108-88-3	Toluene	ND		2000	1910	96	1870	94	2	80-117/21
79-01-6	Trichloroethylene	ND		2000	2000	100	1960	98	2	81-122/20
75-69-4	Trichlorofluoromethane	ND		2000	1720	86	1690	85	2	77-133/22
75-01-4	Vinyl chloride	ND		2000	824	41*	847	42*	3	71-133/23
1330-20-7	Xylene (total)	ND		6000	5670	95	5580	93	2	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C25725-5	Limits
1868-53-7	Dibromofluoromethane	94%	93%	93%	71-125%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C25725-5MS	M37313.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5MSD	M37314.D	1	01/16/13	XB	n/a	n/a	VM1132
C25725-5 ^a	M37304.D	1	01/16/13	XB	n/a	n/a	VM1132

The QC reported here applies to the following samples:

Method: SW846 8260B

C25717-1

CAS No.	Surrogate Recoveries	MS	MSD	C25725-5	Limits
2037-26-5	Toluene-D8	94%	96%	100%	82-121%
460-00-4	4-Bromofluorobenzene	85%	85%	87%	80-120%

(a) 4 : 1 composite.

* = Outside of Control Limits.

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: C25717**Account:** GEOSCASR Geosphere Consultants**Project:** Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MB	Y18491.D	1	01/16/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:**Method:** SW846 8270C

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	670	160	ug/kg	
95-57-8	2-Chlorophenol	ND	170	71	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	72	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	78	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	62	ug/kg	
95-48-7	2-Methylphenol	ND	170	88	ug/kg	
	3&4-Methylphenol	ND	330	79	ug/kg	
88-75-5	2-Nitrophenol	ND	170	79	ug/kg	
100-02-7	4-Nitrophenol	ND	330	40	ug/kg	
87-86-5	Pentachlorophenol	ND	330	34	ug/kg	
108-95-2	Phenol	ND	170	69	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	75	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	71	ug/kg	
83-32-9	Acenaphthene	ND	170	73	ug/kg	
208-96-8	Acenaphthylene	ND	170	78	ug/kg	
62-53-3	Aniline	ND	170	44	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
103-33-3	Azobenzene	ND	170	59	ug/kg	
92-87-5	Benzidine	ND	670	79	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	36.3	170	33	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	43	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	76	ug/kg	
106-47-8	4-Chloroaniline	ND	170	50	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	74	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	67	ug/kg	

Method Blank Summary

Page 2 of 3

Job Number: C25717**Account:** GEOSCASR Geosphere Consultants**Project:** Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MB	Y18491.D	1	01/16/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:**Method:** SW846 8270C

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	76	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	74	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	72	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	75	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	70	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	41	ug/kg	
132-64-9	Dibenzofuran	ND	170	73	ug/kg	
122-39-4	Diphenylamine	ND	170	65	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	34	ug/kg	
84-66-2	Diethyl phthalate	ND	170	57	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	69	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	72	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	71	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	96	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	92	ug/kg	
67-72-1	Hexachloroethane	ND	170	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	43	ug/kg	
78-59-1	Isophorone	ND	170	69	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	80	ug/kg	
88-74-4	2-Nitroaniline	ND	170	67	ug/kg	
99-09-2	3-Nitroaniline	ND	170	50	ug/kg	
100-01-6	4-Nitroaniline	ND	170	43	ug/kg	
91-20-3	Naphthalene	ND	170	77	ug/kg	
98-95-3	Nitrobenzene	ND	170	78	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	66	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	72	ug/kg	
85-01-8	Phenanthrene	ND	170	58	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	
110-86-1	Pyridine	ND	330	46	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	75	ug/kg	

Method Blank Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MB	Y18491.D	1	01/16/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	66% 14-99%
4165-62-2	Phenol-d5	71% 18-100%
118-79-6	2,4,6-Tribromophenol	73% 25-107%
4165-60-0	Nitrobenzene-d5	70% 15-101%
321-60-8	2-Fluorobiphenyl	72% 15-104%
1718-51-0	Terphenyl-d14	105% 56-123%

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-BS	Y18489.D	1	01/15/13	MT	01/14/13	OP7338	EY871
OP7338-BSD	Y18490.D	1	01/15/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	1670	1500	90	1640	98	9	25-112/32
95-57-8	2-Chlorophenol	833	591	71	607	73	3	31-110/31
59-50-7	4-Chloro-3-methyl phenol	833	654	78	685	82	5	33-118/27
120-83-2	2,4-Dichlorophenol	833	629	75	655	79	4	30-115/30
105-67-9	2,4-Dimethylphenol	833	599	72	638	77	6	30-116/30
51-28-5	2,4-Dinitrophenol	833	495	59	577	69	15	11-139/30
534-52-1	4,6-Dinitro-o-cresol	833	535	64	601	72	12	30-139/24
95-48-7	2-Methylphenol	833	596	72	628	75	5	30-113/31
	3&4-Methylphenol	833	621	75	646	78	4	30-113/30
88-75-5	2-Nitrophenol	833	602	72	613	74	2	29-112/32
100-02-7	4-Nitrophenol	833	724	87	817	98	12	40-127/23
87-86-5	Pentachlorophenol	833	602	72	647	78	7	43-140/20
108-95-2	Phenol	833	587	70	612	73	4	30-112/30
95-95-4	2,4,5-Trichlorophenol	833	614	74	665	80	8	33-121/27
88-06-2	2,4,6-Trichlorophenol	833	642	77	674	81	5	31-115/29
83-32-9	Acenaphthene	833	525	63	563	68	7	34-112/28
208-96-8	Acenaphthylene	833	561	67	609	73	8	33-115/28
62-53-3	Aniline	833	433	52	471	57	8	30-93/27
120-12-7	Anthracene	833	675	81	717	86	6	59-111/21
103-33-3	Azobenzene	833	635	76	672	81	6	39-114/22
92-87-5	Benzidine	1670	838	50	811	49	3	10-96/39
56-55-3	Benzo(a)anthracene	833	731	88	758	91	4	72-122/22
50-32-8	Benzo(a)pyrene	833	704	84	744	89	6	71-120/22
205-99-2	Benzo(b)fluoranthene	833	701	84	717	86	2	67-123/24
191-24-2	Benzo(g,h,i)perylene	833	706	85	768	92	8	57-134/24
207-08-9	Benzo(k)fluoranthene	833	733	88	749	90	2	74-126/25
101-55-3	4-Bromophenyl phenyl ether	833	628	75	663	80	5	45-110/22
85-68-7	Butyl benzyl phthalate	833	730	88	736	88	1	68-129/20
100-51-6	Benzyl Alcohol	833	629	75	656	79	4	25-116/31
91-58-7	2-Chloronaphthalene	833	597	72	623	75	4	33-110/30
106-47-8	4-Chloroaniline	833	460	55	477	57	4	27-92/25
86-74-8	Carbazole	833	781	94	819	98	5	64-125/21
218-01-9	Chrysene	833	703	84	726	87	3	73-125/22
111-91-1	bis(2-Chloroethoxy)methane	833	601	72	623	75	4	31-112/31
111-44-4	bis(2-Chloroethyl)ether	833	582	70	598	72	3	30-106/31
108-60-1	bis(2-Chloroisopropyl)ether	833	567	68	583	70	3	30-111/32

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 2 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-BS	Y18489.D	1	01/15/13	MT	01/14/13	OP7338	EY871
OP7338-BSD	Y18490.D	1	01/15/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	833	634	76	670	80	6	40-111/25
95-50-1	1,2-Dichlorobenzene	833	556	67	555	67	0	28-102/32
541-73-1	1,3-Dichlorobenzene	833	542	65	552	66	2	26-99/32
106-46-7	1,4-Dichlorobenzene	833	556	67	554	66	0	27-100/32
121-14-2	2,4-Dinitrotoluene	833	697	84	734	88	5	55-115/21
606-20-2	2,6-Dinitrotoluene	833	647	78	689	83	6	45-115/21
91-94-1	3,3'-Dichlorobenzidine	1670	1470	88	1630	98	10	53-115/24
53-70-3	Dibenzo(a,h)anthracene	833	699	84	777	93	11	59-132/23
132-64-9	Dibenzofuran	833	618	74	653	78	6	37-113/26
122-39-4	Diphenylamine	833	658	79	712	85	8	51-112/24
84-74-2	Di-n-butyl phthalate	833	793	95	832	100	5	67-114/22
117-84-0	Di-n-octyl phthalate	833	749	90	729	87	3	62-138/24
84-66-2	Diethyl phthalate	833	653	78	698	84	7	52-111/22
131-11-3	Dimethyl phthalate	833	677	81	723	87	7	42-113/23
117-81-7	bis(2-Ethylhexyl)phthalate	833	751	90	752	90	0	66-130/20
206-44-0	Fluoranthene	833	744	89	777	93	4	69-117/21
86-73-7	Fluorene	833	625	75	657	79	5	42-112/24
118-74-1	Hexachlorobenzene	833	663	80	677	81	2	50-110/24
87-68-3	Hexachlorobutadiene	833	517	62	522	63	1	30-116/33
77-47-4	Hexachlorocyclopentadiene	833	398	48	458	55	14	10-108/33
67-72-1	Hexachloroethane	833	545	65	545	65	0	25-101/34
193-39-5	Indeno(1,2,3-cd)pyrene	833	735	88	749	90	2	60-131/21
78-59-1	Isophorone	833	619	74	639	77	3	32-108/30
90-12-0	1-Methylnaphthalene	833	603	72	619	74	3	33-110/30
91-57-6	2-Methylnaphthalene	833	623	75	644	77	3	33-107/30
88-74-4	2-Nitroaniline	833	624	75	680	82	9	39-120/24
99-09-2	3-Nitroaniline	833	559	67	625	75	11	41-107/24
100-01-6	4-Nitroaniline	833	645	77	700	84	8	48-132/24
91-20-3	Naphthalene	833	524	63	536	64	2	32-121/31
98-95-3	Nitrobenzene	833	594	71	619	74	4	30-109/31
62-75-9	N-Nitrosodimethylamine	833	549	66	560	67	2	27-101/32
621-64-7	N-Nitroso-di-n-propylamine	833	598	72	625	75	4	29-111/32
85-01-8	Phenanthrene	833	659	79	695	83	5	57-113/21
129-00-0	Pyrene	833	715	86	731	88	2	63-120/20
110-86-1	Pyridine	833	373	45	365	44	2	16-75/34
120-82-1	1,2,4-Trichlorobenzene	833	589	71	599	72	2	29-104/32

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-BS	Y18489.D	1	01/15/13	MT	01/14/13	OP7338	EY871
OP7338-BSD	Y18490.D	1	01/15/13	MT	01/14/13	OP7338	EY871

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	73%	73%	14-99%
4165-62-2	Phenol-d5	76%	78%	18-100%
118-79-6	2,4,6-Tribromophenol	85%	91%	25-107%
4165-60-0	Nitrobenzene-d5	73%	74%	15-101%
321-60-8	2-Fluorobiphenyl	74%	77%	15-104%
1718-51-0	Terphenyl-d14	93%	93%	56-123%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C25717
Account: GEOSCASR Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MS	Y18497.D	1	01/16/13	MT	01/14/13	OP7338	EY872
OP7338-MSD	Y18498.D	1	01/16/13	MT	01/14/13	OP7338	EY872
C25703-7	Y18506.D	1	01/16/13	MT	01/14/13	OP7338	EY872

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Compound	C25703-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		1670	1070	64	1140	69	6	25-112/32
95-57-8	2-Chlorophenol	ND		833	588	71	596	72	1	31-110/31
59-50-7	4-Chloro-3-methyl phenol	ND		833	651	78	654	79	0	33-118/27
120-83-2	2,4-Dichlorophenol	ND		833	634	76	626	75	1	30-115/30
105-67-9	2,4-Dimethylphenol	ND		833	610	73	608	73	0	30-116/30
51-28-5	2,4-Dinitrophenol	ND		833	274	33	380	46	32* a	11-139/30
534-52-1	4,6-Dinitro-o-cresol	ND		833	415	50	506	61	20	30-139/24
95-48-7	2-Methylphenol	ND		833	615	74	623	75	1	30-113/31
	3&4-Methylphenol	ND		833	618	74	622	75	1	30-113/30
88-75-5	2-Nitrophenol	ND		833	599	72	594	71	1	29-112/32
100-02-7	4-Nitrophenol	ND		833	640	77	694	83	8	40-127/23
87-86-5	Pentachlorophenol	ND		833	515	62	524	63	2	43-140/20
108-95-2	Phenol	ND		833	592	71	598	72	1	30-112/30
95-95-4	2,4,5-Trichlorophenol	ND		833	612	73	623	75	2	33-121/27
88-06-2	2,4,6-Trichlorophenol	ND		833	630	76	649	78	3	31-115/29
83-32-9	Acenaphthene	ND		833	525	63	537	65	2	34-112/28
208-96-8	Acenaphthylene	ND		833	571	69	580	70	2	33-115/28
62-53-3	Aniline	ND		833	449	54	489	59	9	30-93/27
120-12-7	Anthracene	ND		833	646	78	666	80	3	59-111/21
103-33-3	Azobenzene	ND		833	622	75	640	77	3	39-114/22
92-87-5	Benzidine	ND		1670	718	43	734	44	2	10-96/39
56-55-3	Benzo(a)anthracene	ND		833	640	77	674	81	5	72-122/22
50-32-8	Benzo(a)pyrene	ND		833	615	74	649	78	5	71-120/22
205-99-2	Benzo(b)fluoranthene	ND		833	614	74	653	78	6	67-123/24
191-24-2	Benzo(g,h,i)perylene	ND		833	631	76	654	79	4	57-134/24
207-08-9	Benzo(k)fluoranthene	ND		833	618	74	631	76	2	74-126/25
101-55-3	4-Bromophenyl phenyl ether	ND		833	625	75	646	78	3	45-110/22
85-68-7	Butyl benzyl phthalate	ND		833	649	78	645	78	1	68-129/20
100-51-6	Benzyl Alcohol	ND		833	622	75	632	76	2	25-116/31
91-58-7	2-Chloronaphthalene	ND		833	597	72	601	72	1	33-110/30
106-47-8	4-Chloroaniline	ND		833	496	60	513	62	3	27-92/25
86-74-8	Carbazole	ND		833	725	87	756	91	4	64-125/21
218-01-9	Chrysene	ND		833	610	73	641	77	5	73-125/22
111-91-1	bis(2-Chloroethoxy)methane	ND		833	600	72	608	73	1	31-112/31
111-44-4	bis(2-Chloroethyl)ether	ND		833	578	69	593	71	3	30-106/31
108-60-1	bis(2-Chloroisopropyl)ether	ND		833	568	68	580	70	2	30-111/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MS	Y18497.D	1	01/16/13	MT	01/14/13	OP7338	EY872
OP7338-MSD	Y18498.D	1	01/16/13	MT	01/14/13	OP7338	EY872
C25703-7	Y18506.D	1	01/16/13	MT	01/14/13	OP7338	EY872

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Compound	C25703-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		833	627	75	646	78	3	40-111/25
95-50-1	1,2-Dichlorobenzene	ND		833	544	65	552	66	1	28-102/32
541-73-1	1,3-Dichlorobenzene	ND		833	529	63	536	64	1	26-99/32
106-46-7	1,4-Dichlorobenzene	ND		833	529	63	544	65	3	27-100/32
121-14-2	2,4-Dinitrotoluene	ND		833	653	78	679	82	4	55-115/21
606-20-2	2,6-Dinitrotoluene	ND		833	635	76	650	78	2	45-115/21
91-94-1	3,3'-Dichlorobenzidine	ND		1670	1340	80	1500	90	11	53-115/24
53-70-3	Dibenzo(a,h)anthracene	ND		833	629	75	648	78	3	59-132/23
132-64-9	Dibenzofuran	ND		833	616	74	625	75	1	37-113/26
122-39-4	Diphenylamine	ND		833	647	78	656	79	1	51-112/24
84-74-2	Di-n-butyl phthalate	ND		833	720	86	744	89	3	67-114/22
117-84-0	Di-n-octyl phthalate	ND		833	676	81	673	81	0	62-138/24
84-66-2	Diethyl phthalate	ND		833	616	74	645	78	5	52-111/22
131-11-3	Dimethyl phthalate	ND		833	663	80	697	84	5	42-113/23
117-81-7	bis(2-Ethylhexyl)phthalate	ND		833	667	80	668	80	0	66-130/20
206-44-0	Fluoranthene	ND		833	674	81	701	84	4	69-117/21
86-73-7	Fluorene	ND		833	619	74	630	76	2	42-112/24
118-74-1	Hexachlorobenzene	ND		833	629	75	641	77	2	50-110/24
87-68-3	Hexachlorobutadiene	ND		833	522	63	516	62	1	30-116/33
77-47-4	Hexachlorocyclopentadiene	ND		833	425	51	465	56	9	10-108/33
67-72-1	Hexachloroethane	ND		833	531	64	534	64	1	25-101/34
193-39-5	Indeno(1,2,3-cd)pyrene	ND		833	608	73	619	74	2	60-131/21
78-59-1	Isophorone	ND		833	626	75	622	75	1	32-108/30
90-12-0	1-Methylnaphthalene	ND		833	611	73	604	73	1	33-110/30
91-57-6	2-Methylnaphthalene	ND		833	624	75	620	75	1	33-107/30
88-74-4	2-Nitroaniline	ND		833	633	76	646	78	2	39-120/24
99-09-2	3-Nitroaniline	ND		833	556	67	584	70	5	41-107/24
100-01-6	4-Nitroaniline	ND		833	612	73	665	80	8	48-132/24
91-20-3	Naphthalene	ND		833	524	63	518	62	1	32-121/31
98-95-3	Nitrobenzene	ND		833	592	71	599	72	1	30-109/31
62-75-9	N-Nitrosodimethylamine	ND		833	538	65	542	65	1	27-101/32
621-64-7	N-Nitroso-di-n-propylamine	ND		833	603	72	614	74	2	29-111/32
85-01-8	Phenanthrene	ND		833	629	75	644	77	2	57-113/21
129-00-0	Pyrene	ND		833	641	77	655	79	2	63-120/20
110-86-1	Pyridine	ND		833	378	45	385	46	2	16-75/34
120-82-1	1,2,4-Trichlorobenzene	ND		833	588	71	586	70	0	29-104/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7338-MS	Y18497.D	1	01/16/13	MT	01/14/13	OP7338	EY872
OP7338-MSD	Y18498.D	1	01/16/13	MT	01/14/13	OP7338	EY872
C25703-7	Y18506.D	1	01/16/13	MT	01/14/13	OP7338	EY872

The QC reported here applies to the following samples:

Method: SW846 8270C

C25717-1

CAS No.	Surrogate Recoveries	MS	MSD	C25703-7	Limits
367-12-4	2-Fluorophenol	73%	74%	70%	14-99%
4165-62-2	Phenol-d5	77%	79%	73%	18-100%
118-79-6	2,4,6-Tribromophenol	83%	88%	74%	25-107%
4165-60-0	Nitrobenzene-d5	74%	75%	70%	15-101%
321-60-8	2-Fluorobiphenyl	76%	78%	73%	15-104%
1718-51-0	Terphenyl-d14	84%	85%	94%	56-123%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7343-MB	MM013642.D1		01/16/13	RV	01/15/13	OP7343	GMM365

The QC reported here applies to the following samples:

Method: SW846 8081A

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	3.3	0.40	ug/kg	
319-84-6	alpha-BHC	ND	3.3	0.37	ug/kg	
319-85-7	beta-BHC	ND	3.3	0.80	ug/kg	
319-86-8	delta-BHC	ND	3.3	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.3	0.40	ug/kg	
12789-03-6	Chlordane	ND	33	3.3	ug/kg	
60-57-1	Dieldrin	ND	3.3	0.60	ug/kg	
72-54-8	4,4'-DDD	ND	3.3	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	3.3	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	3.3	0.50	ug/kg	
72-20-8	Endrin	ND	3.3	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.3	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	3.3	0.57	ug/kg	
33213-65-9	Endosulfan-II	ND	3.3	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.3	0.57	ug/kg	
76-44-8	Heptachlor	ND	3.3	0.47	ug/kg	
1024-57-3	Heptachlor epoxide	ND	3.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	3.3	0.53	ug/kg	
8001-35-2	Toxaphene	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
877-09-8	Tetrachloro-m-xylene	101%	31-113%
877-09-8	Tetrachloro-m-xylene	100%	31-113%
2051-24-3	Decachlorobiphenyl	110%	61-129%
2051-24-3	Decachlorobiphenyl	117%	61-129%

Method Blank Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7344-MB	OO035787.D1		01/15/13	AG	01/15/13	OP7344	GOO1101

The QC reported here applies to the following samples:

Method: SW846 8082

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	91% 38-109%
877-09-8	Tetrachloro-m-xylene	78% 38-109%
2051-24-3	Decachlorobiphenyl	88% 49-138%
2051-24-3	Decachlorobiphenyl	80% 49-138%

Method Blank Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7339-MB	GG40688.D	1	01/15/13	LB	01/14/13	OP7339	GGG1076

The QC reported here applies to the following samples:

Method: SW846 8015B M

C25717-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	10	2.5	mg/kg	
	TPH (> C28-C40)	ND	20	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	84% 37-122%

7.1.3

7

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7343-BS2	MM013661.DI		01/16/13	RV	01/15/13	OP7343	GMM366
OP7343-BSD2	MM013662.DI		01/16/13	RV	01/15/13	OP7343	GMM366

The QC reported here applies to the following samples:

Method: SW846 8081A

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
8001-35-2	Toxaphene	133	130	98	128	96	2	53-125/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	105%	103%	31-113%
877-09-8	Tetrachloro-m-xylene	106%	102%	31-113%
2051-24-3	Decachlorobiphenyl	116%	111%	61-129%
2051-24-3	Decachlorobiphenyl	125%	121%	61-129%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C25717
Account: GEOSCASR Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7343-BS	MM013663.DI		01/16/13	RV	01/15/13	OP7343	GMM366
OP7343-BSD	MM013664.DI		01/16/13	RV	01/15/13	OP7343	GMM366

The QC reported here applies to the following samples:

Method: SW846 8081A

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	33.3	34.4	103	35.1	105	2	35-119/28
319-84-6	alpha-BHC	33.3	34.1	102	34.6	104	1	33-126/28
319-85-7	beta-BHC	33.3	34.0	102	35.4	106	4	42-123/24
319-86-8	delta-BHC	33.3	36.0	108	36.9	111	2	40-131/23
58-89-9	gamma-BHC (Lindane)	33.3	34.4	103	35.3	106	3	37-126/26
60-57-1	Dieldrin	33.3	36.7	110	36.8	110	0	53-124/24
72-54-8	4,4'-DDD	33.3	37.6	113	37.4	112	1	65-128/26
72-55-9	4,4'-DDE	33.3	37.7	113	38.1	114	1	55-123/26
50-29-3	4,4'-DDT	33.3	37.1	111	37.5	113	1	59-129/28
72-20-8	Endrin	33.3	39.1	117	39.2	118	0	58-131/22
7421-93-4	Endrin aldehyde	33.3	36.6	110	36.7	110	0	60-130/28
959-98-8	Endosulfan-I	33.3	37.3	112	37.7	113	1	49-126/26
33213-65-9	Endosulfan-II	33.3	37.0	111	36.9	111	0	60-130/23
1031-07-8	Endosulfan sulfate	33.3	37.6	113	38.1	114	1	57-142/25
76-44-8	Heptachlor	33.3	35.3	106	36.1	108	2	43-127/25
1024-57-3	Heptachlor epoxide	33.3	36.2	109	37.0	111	2	52-121/24
72-43-5	Methoxychlor	33.3	38.1	114	38.6	116	1	69-144/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	102%	105%	31-113%
877-09-8	Tetrachloro-m-xylene	101%	104%	31-113%
2051-24-3	Decachlorobiphenyl	114%	117%	61-129%
2051-24-3	Decachlorobiphenyl	121%	123%	61-129%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7344-BS	OO035785.D1		01/15/13	AG	01/15/13	OP7344	GOO1101
OP7344-BSD	OO035786.D1		01/15/13	AG	01/15/13	OP7344	GOO1101

The QC reported here applies to the following samples:

Method: SW846 8082

C25717-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	124	93	121	91	2	46-114/22
11096-82-5	Aroclor 1260	133	130	98	126	95	3	54-127/21

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	96%	96%	38-109%
877-09-8	Tetrachloro-m-xylene	89%	81%	38-109%
2051-24-3	Decachlorobiphenyl	88%	89%	49-138%
2051-24-3	Decachlorobiphenyl	75%	77%	49-138%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7339-BS	GG40689.D	1	01/15/13	LB	01/14/13	OP7339	GGG1076
OP7339-BSD	GG40690.D	1	01/15/13	LB	01/14/13	OP7339	GGG1076

The QC reported here applies to the following samples:

Method: SW846 8015B M

C25717-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	100	80.4	80	83.1	83	3	39-102/29
	TPH (> C28-C40)	100	86.2	86	91.3	91	6	42-111/26

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	90%	90%	37-122%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7343-MS	MM013659.D5		01/16/13	RV	01/15/13	OP7343	GMM366
OP7343-MSD	MM013660.D5		01/16/13	RV	01/15/13	OP7343	GMM366
C25702-21	MM013630.D1		01/15/13	RV	01/15/13	OP7343	GMM365

The QC reported here applies to the following samples:

Method: SW846 8081A

C25717-1

CAS No.	Compound	C25702-21 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		36	28.4	79	29.6	82	4	35-119/28
319-84-6	alpha-BHC	ND		36	26.3	73	27.2	75	3	33-126/28
319-85-7	beta-BHC	21.6		36	50.0	79	49.3	77	1	42-123/24
319-86-8	delta-BHC	ND		36	27.7	77	28.4	79	2	40-131/23
58-89-9	gamma-BHC (Lindane)	ND		36	27.5	76	28.3	78	3	37-126/26
60-57-1	Dieldrin	ND		36	31.4	87	32.0	89	2	53-124/24
72-54-8	4,4'-DDD	1.1	J	36	30.9	83	31.6	85	2	65-128/26
72-55-9	4,4'-DDE	52.7		36	81.5	80	78.1	70	4	55-123/26
50-29-3	4,4'-DDT	1.0	J	36	31.0	83	31.0	83	0	59-129/28
72-20-8	Endrin	ND		36	33.3	93	34.2	95	3	58-131/22
7421-93-4	Endrin aldehyde	ND		36	31.1	87	32.0	89	3	60-130/28
959-98-8	Endosulfan-I	ND		36	31.2	87	32.2	89	3	49-126/26
33213-65-9	Endosulfan-II	ND		36	31.7	88	32.1	89	1	60-130/23
1031-07-8	Endosulfan sulfate	ND		36	29.7	83	30.3	84	2	57-142/25
76-44-8	Heptachlor	ND		36	29.5	82	30.2	84	2	43-127/25
1024-57-3	Heptachlor epoxide	ND		36	32.2	90	32.9	91	2	52-121/24
72-43-5	Methoxychlor	ND		36	29.9	83	30.5	85	2	69-144/30

CAS No.	Surrogate Recoveries	MS	MSD	C25702-21	Limits
877-09-8	Tetrachloro-m-xylene	76%	77%	98%	31-113%
877-09-8	Tetrachloro-m-xylene	79%	80%	98%	31-113%
2051-24-3	Decachlorobiphenyl	95%	93%	107%	61-129%
2051-24-3	Decachlorobiphenyl	105%	102%	114%	61-129%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: C25717

Account: GEOSCASR Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7339-MS	HH029949.D1		01/15/13	JH	01/14/13	OP7339	GHH897
OP7339-MSD	HH029950.D1		01/15/13	JH	01/14/13	OP7339	GHH897
C25710-1	HH029939.D1		01/15/13	JH	01/14/13	OP7339	GHH897

The QC reported here applies to the following samples:

Method: SW846 8015B M

C25717-1

CAS No.	Compound	C25710-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	ND		98.7	70.0	71	60.9	62	14	39-102/29
	TPH (> C28-C40)	ND		98.7	71.8	73	70.8	72	1	42-111/26

CAS No.	Surrogate Recoveries	MS	MSD	C25710-1	Limits
630-01-3	Hexacosane	57%	57%	68%	37-122%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C25717
Account: GEOSCASR - Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5733
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 01/15/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087	-0.080	<2.0
Arsenic	2.0	.07	.07	-0.020	<2.0
Barium	20	.04	.035	0.21	<20
Beryllium	1.0	.02	.012	0.0	<1.0
Boron	10	.09	.2		
Cadmium	1.0	.02	.015	-0.13	<1.0
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054	0.050	<1.0
Cobalt	1.0	.02	.022	-0.020	<1.0
Copper	2.5	.12	.19	0.46	<2.5
Iron	20	.64	1.6		
Lead	2.0	.07	.054	-0.10	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024	-0.040	<2.0
Nickel	1.0	.02	.024	0.0	<1.0
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23	0.55	<2.0
Silicon		.12			
Silver	1.0	.03	.044	0.040	<1.0
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073	-0.36	<2.0
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025	0.0	<1.0
Zinc	2.0	.03	.098	0.50	<2.0

Associated samples MP5733: C25717-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5733
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 01/15/13

Metal	C25703-7 Original MS		Spike lot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	0.52	16.7	43.5	37.2N(a)	75-125
Arsenic	7.5	46.7	43.5	90.2	75-125
Barium	145	532	43.5	890.1N(a)	75-125
Beryllium	0.46	38.3	43.5	87.0	75-125
Boron					
Cadmium	0.0	38.7	43.5	89.0	75-125
Calcium					
Chromium	13.7	51.7	43.5	87.4	75-125
Cobalt	4.6	41.2	43.5	84.2	75-125
Copper	13.0	52.0	43.5	89.7	75-125
Iron					
Lead	7.8	49.9	43.5	96.8	75-125
Magnesium					
Manganese					
Molybdenum	0.097	35.4	43.5	81.2	75-125
Nickel	13.4	54.7	43.5	95.0	75-125
Potassium					
Selenium	1.4	38.8	43.5	86.0	75-125
Silicon					
Silver	0.30	40.8	43.5	93.2	75-125
Sodium					
Strontium					
Thallium	0.0	37.9	43.5	87.2	75-125
Tin					
Titanium					
Vanadium	51.7	89.5	43.5	86.9	75-125
Zinc	29.9	67.7	43.5	86.9	75-125

Associated samples MP5733: C25717-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5733
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 01/15/13

Metal	C25703-7 Original	MSD	Spikelet MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.52	15.8	42.4	36.1N(a)	5.5	20
Arsenic	7.5	45.7	42.4	90.2	2.2	20
Barium	145	415	42.4	637.2N(a)	24.7 (b)	20
Beryllium	0.46	37.3	42.4	86.9	2.6	20
Boron						
Cadmium	0.0	38.0	42.4	89.7	1.8	20
Calcium						
Chromium	13.7	51.0	42.4	88.0	1.4	20
Cobalt	4.6	38.6	42.4	80.2	6.5	20
Copper	13.0	51.5	42.4	90.9	1.0	20
Iron						
Lead	7.8	46.2	42.4	90.6	7.7	20
Magnesium						
Manganese						
Molybdenum	0.097	33.6	42.4	79.1	5.2	20
Nickel	13.4	53.1	42.4	93.7	3.0	20
Potassium						
Selenium	1.4	38.3	42.4	87.1	1.3	20
Silicon						
Silver	0.30	39.2	42.4	91.8	4.0	20
Sodium						
Strontium						
Thallium	0.0	36.9	42.4	87.1	2.7	20
Tin						
Titanium						
Vanadium	51.7	88.8	42.4	87.6	0.8	20
Zinc	29.9	64.1	42.4	80.7	5.5	20

Associated samples MP5733: C25717-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference.

(b) High RPD indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C25717

Account: GEOSCASR - Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5733

Methods: SW846 6010B

Matrix Type: SOLID

Units: mg/kg

Prep Date: 01/15/13

Metal	BSP Result	Spike lot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	46.3	50	92.6	80-120
Arsenic	45.0	50	90.0	80-120
Barium	46.7	50	93.4	80-120
Beryllium	46.5	50	93.0	80-120
Boron				
Cadmium	45.6	50	91.2	80-120
Calcium				
Chromium	49.1	50	98.2	80-120
Cobalt	48.1	50	96.2	80-120
Copper	48.5	50	97.0	80-120
Iron				
Lead	44.6	50	89.2	80-120
Magnesium				
Manganese				
Molybdenum	46.7	50	93.4	80-120
Nickel	45.2	50	90.4	80-120
Potassium				
Selenium	44.5	50	89.0	80-120
Silicon				
Silver	45.4	50	90.8	80-120
Sodium				
Strontium				
Thallium	47.1	50	94.2	80-120
Tin				
Titanium				
Vanadium	47.1	50	94.2	80-120
Zinc	48.4	50	96.8	80-120

Associated samples MP5733: C25717-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C25717

Account: GEOSCASR - Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5733

Methods: SW846 6010B

Matrix Type: SOLID

Units: ug/l

Prep Date: 01/15/13

Metal	C25703-7 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	5.90	0.00	100.0(a)	0-10
Arsenic	84.9	95.3	12.2*(b)	0-10
Barium	1640	1970	19.8*(b)	0-10
Beryllium	5.20	6.50	25.0 (a)	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	155	191	23.4*(b)	0-10
Cobalt	51.5	52.7	2.3	0-10
Copper	147	166	13.0*(b)	0-10
Iron				
Lead	87.6	67.7	22.7*(b)	0-10
Magnesium				
Manganese				
Molybdenum	1.10	4.30	290.9(a)	0-10
Nickel	152	159	4.5	0-10
Potassium				
Selenium	15.7	48.3	207.6(a)	0-10
Silicon				
Silver	3.40	9.70	185.3(a)	0-10
Sodium				
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	584	689	17.9*(b)	0-10
Zinc	338	385	13.9*(b)	0-10

Associated samples MP5733: C25717-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C25717
Account: GEOSCASR - Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5742
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 01/16/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.00035	.0043	0.0052	<0.042

Associated samples MP5742: C25717-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5742
 Matrix Type: SOLID

Methods: SW846 7471A
 Units: mg/kg

Prep Date: 01/16/13

Metal	C25703-6 Original MS	SpikeLot HGPWS1	% Rec	QC Limits
Mercury	0.028 0.36	0.313	106.2	75-125

Associated samples MP5742: C25717-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2

8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5742
 Matrix Type: SOLID

Methods: SW846 7471A
 Units: mg/kg

Prep Date: 01/16/13

Metal	C25703-6 Original	MSD	Spike lot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.028	0.37	0.328	104.3	2.7	20

Associated samples MP5742: C25717-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C25717

Account: GEOSCASR - Geosphere Consultants

Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5742

Methods: SW846 7471A

Matrix Type: SOLID

Units: mg/kg

Prep Date: 01/16/13

Metal	BSP Result	Spike lot HGPWS1	% Rec	QC Limits
Mercury	0.20	0.167	120.0	80-120

Associated samples MP5742: C25717-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

82.3

8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C25717
Account: GEOSCASR - Geosphere Consultants
Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5756
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 01/19/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	5.0	.34	.21		
Antimony	0.15	.018	.013		
Arsenic	0.25	.018	.016	-0.010	<0.25
Barium	5.0	.01	.0088		
Beryllium	0.13	.005	.01		
Boron	2.5	.023	.016		
Cadmium	0.050	.005	.0038		
Calcium	130	.18	.3		
Chromium	0.25	.0075	.01	-0.0075	<0.25
Cobalt	0.13	.005	.0075		
Copper	0.25	.03	.075		
Iron	5.0	.16	.31		
Lead	0.25	.018	.021		
Magnesium	130	.68	.91		
Manganese	0.38	.0025	.031		
Molybdenum	0.50	.005	.0055		
Nickel	0.13	.005	.003		
Potassium	250	.45	1.1		
Selenium	0.25	.045	.055		
Silicon	2.5	.03	.17		
Silver	0.13	.0075	.012		
Sodium	250	.37	.33		
Strontium	0.25	.005	.006		
Thallium	0.25	.013	.014		
Tin	1.3	.005	.018		
Titanium	0.25	.01	.0085		
Vanadium	0.25	.0075	.0075		
Zinc	0.50	.0075	.1		

Associated samples MP5756: C25717-1W

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5756
 Matrix Type: LEACHATE

Methods: SW846 6010B
 Units: mg/l

Prep Date: 01/19/13

Metal	C25717-1W Original MS		Spike lot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0	13.0	12.5	104.0	75-125
Barium					
Beryllium					
Boron					
Cadmium					
Calcium					
Chromium	0.24	13.2	12.5	103.7	75-125
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP5756: C25717-1W

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5756
 Matrix Type: LEACHATE

Methods: SW846 6010B
 Units: mg/l

Prep Date: 01/19/13

Metal	C25717-1W Original	MSD	SpikeLot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	13.0	12.5	104.0	0.0	20
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	0.24	13.2	12.5	103.7	0.0	20
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP5756: C25717-1W

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5756
 Matrix Type: LEACHATE

Methods: SW846 6010B
 Units: mg/l

Prep Date: 01/19/13

Metal	BSP Result	Spike lot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	12.8	12.5	102.4	80-120
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	12.8	12.5	102.4	80-120
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP5756: C25717-1W

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.3.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: C25717
 Account: GEOSCASR - Geosphere Consultants
 Project: Parkway Heights Middle School - 650 Sunset Ave, South San Francisco, Ca

QC Batch ID: MP5756
 Matrix Type: LEACHATE

Methods: SW846 6010B
 Units: ug/l

Prep Date: 01/19/13

Metal	C25717-1W Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium				
Boron				
Cadmium				
Calcium				
Chromium	9.60	10.9	13.5 (a)	0-10
Cobalt				
Copper				
Iron				
Lead				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP5756: C25717-1W

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).



DEPARTMENT OF CONSERVATION

CALIFORNIA GEOLOGICAL SURVEY

SCHOOL REVIEW UNIT • 801 K STREET, MS 12-32 • SACRAMENTO, CALIFORNIA 95814
PHONE 916 / 324-7324 • FAX 916 / 322-4765 • TDD 916 / 324-2555 • WEB SITE conservation.ca.gov/cgs

James "Larry" Scott
District Bond Program Director
South San Francisco Unified School District
Facility Building 398 B Street
South San Francisco, CA 94080

June 6, 2013

**Subject: Engineering Geology and Seismology Review for
Parkway Heights Middle School – New Buildings Additions
650 Sunset Avenue, South San Francisco, CA 94080
CGS Application No. 01-CGS1265**

Dear Mr. Scott:

In accordance with your request and transmittal of documents on March 21, 2013, the California Geological Survey has reviewed the engineering geology and seismology aspects of the consulting report prepared for Parkway Heights Middle School, in South San Francisco, California. It is our understanding this project involves the addition of a new green schoolhouse building and Multipurpose building at the site. This review was performed in accordance with Title 24, California Code of Regulations, 2010 California Building Code (CBC) and followed CGS Note 48 guidelines. We reviewed the following report:

Geotechnical Engineering and Geologic Hazards Study – Parkway Heights Middle School – Proposed Green Schoolhouse and Multipurpose Building: Geosphere Consultants, Inc., 2001 Crow Canyon Road, Suite 100, San Ramon, CA 94583, Project No. 91-02973-A, dated January 30, 2013, 26 pages, 8 figures, Appendices A through C.

Based on our review, the consultants provide a well documented assessment of the engineering geology and seismology issues with respect to the proposed improvements. The principal concerns identified by the consultants are the potential for severe ground shaking generated by earthquakes in the region. They report the following design acceleration parameters derived from their General Procedure map-based analysis: $S_s = 2.009g$ and $S_1 = 1.074g$, and $S_{DS} = 1.339g$ and $S_{D1} = 1.074g$, which are considered reasonable. Because S_1 is greater than $0.75g$, **Seismic Design Category E** applies to this project.

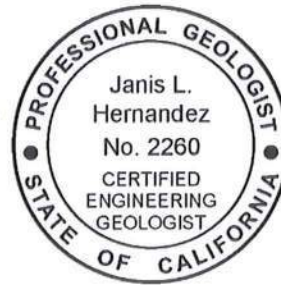
The consultants' subsurface exploration and analysis indicates very low potential for liquefaction, landslide, and fault rupture. The consultants calculate seismic settlement of

approximately 1 ¼ inch, and differential settlement less than ¾ inch across the structure. These values appear reasonable based on the data presented.

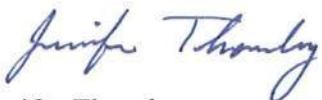
In conclusion, *the engineering geology and seismology issues at this site are adequately assessed in the referenced report.* If you have any further questions about this review letter, please telephone the California Geological Survey at (213) 239-0893.

Respectfully submitted,


Janis L. Hernandez
Engineering Geologist
PG 7237, CEG 2260



Concur:


Jennifer Thornburg
Senior Engineering Geologist
PG 5476, CEG 2240



Enclosures:

Note 48 Checklist Review Comments

Keyed to: *Note 48 - Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals, and Essential Services Buildings*

Copies to:

Gregory R. Hanson, *Registered Geotechnical Engineer, Certified Engineering Geologist*
Geosphere Consultants, Inc., 2001 Crow Canyon Road, Suite 100, San Ramon, CA 94583

Chris R. Taylor, *Architect*
HMC Architects, 3546 Concourse Street, Ontario, CA 91764

Ms. Karen Van Dorn, *Senior Architect*
Division of the State Architect, 1515 Clay Street, Suite 1201, Oakland, CA 94612

Note 48 Checklist Review Comments

In the numbered paragraphs below, this review is keyed to the paragraph numbers of California Geological Survey Note 48 (January, 2011 edition), *Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals, and Essential Services Buildings*.

Project Location

1. Site Location Map, Street Address, County Name: Adequately addressed.
2. Plot Plan with Exploration Data with Building Footprint: Adequately addressed.
3. Site Coordinates: Adequately addressed. Latitude and Longitude provided in report: 37.6631°N, 122.4280°W.

Engineering Geology/Site Characterization

4. Regional Geology and Regional Fault Maps: Adequately addressed.
5. Geologic Map of Site: Adequately addressed.
6. Subsurface Geology: Adequately addressed. The consultants report the site is underlain by early Pleistocene age older alluvium consisting of medium stiff to very stiff silty to sandy clay, and medium dense to very dense silty to clayey sands to the total depth of borings at 50 feet below the ground surface (bgs). They report groundwater was not encountered in the borings.
7. Geologic Cross Sections: Adequately addressed.
8. Active Faulting & Coseismic Deformation Across Site: Adequately addressed. The consultants report the site is not located within an Alquist-Priolo Earthquake Fault Zone, or local fault zone. They also report active or potentially active faults are not mapped to underlie the site, or project toward the site.
9. Geologic Hazard Zones (Liquefaction & Landslides): Adequately addressed. The consultants report the site is located within an area of “very low potential for liquefaction”, as indicated on maps prepared by the U.S. Geological Survey and William Lettis and Associates, utilized by the Association of Bay Area Governments (ABAG). The State has not yet prepared Zones of Required Investigation for Liquefaction or Earthquake-Induced Landslide Hazards in this locality.
10. Geotechnical Testing of Representative Samples: Adequately addressed.
11. Geological Consideration of Grading Plans and Foundation Plans: Adequately addressed. The consultants state the existing modular structures and foundations will be demolished, and general grading will prepare the site for the new buildings utilizing shallow foundations.

Seismology & Calculation of Earthquake Ground Motion

12. Evaluation of Historic Seismicity: Adequately addressed.
13. Classify the Geologic Subgrade (Site Class): Adequately addressed. The consultants classify the site soil profile as Site Class D, Stiff Soil, based on the soils encountered in the borings.

14. General Procedure Seismic Parameters: Adequately addressed. The consultants report the following parameters, derived from a map-based analysis:

$$S_S = 2.009g \text{ and } S_I = 1.074g, \text{ and } S_{DS} = 1.339g \text{ and } S_{DI} = 1.074g$$

The values presented are similar to those obtained by CGS using the USGS Java Ground Motion Parameter Calculator and are in accordance with the requirements of ASCE 7-05, Chapter 11.

15. Seismic Design Category: Not reported by the consultants, however because S_I is greater than 0.75g, **Seismic Design Category E** applies to this project.
16. Site-Specific Ground Motion Analysis: Not provided, nor required.
17. Deaggregated Seismic Source Parameters: Not applicable.
18. Time-Histories of Earthquake Ground Motion: Not applicable.

Liquefaction/Seismic Settlement Analysis

19. Geologic Setting for Occurrence of Seismically Induced Liquefaction: Adequately addressed. Groundwater was not encountered in the borings, and has not been reported in this area according to DWR. Based on the density of the site soils, the consultants conclude the site has very low potential for liquefaction hazards. The data appear to support this conclusion.
20. Seismic Settlement Calculations: Adequately addressed. The consultants calculate seismic settlement of approximately 1¼ inch and differential seismic settlement less than ¾ inch across the structure. These values appear reasonable based on the data presented.
21. Other Liquefaction Effects: Not applicable.
22. Mitigation Options for Liquefaction: Not applicable.

Slope Stability Analysis

23. Geologic Setting for Occurrence of Landslides: Adequately addressed. The consultants report the site is not located in an area of mapped landslides, and conclude landslide hazards are low at the site.
24. Determination of Static and Dynamic Strength Parameters: Not applicable.
25. Determination of Pseudo-Static Coefficient (K_{eq}): Not applicable.
26. Identify Critical Slip Surfaces for Static and Dynamic Analyses: Not applicable.
27. Dynamic Site Conditions: Not applicable.
28. Mitigation Options/Other Slope Failure: Not applicable.

Other Geologic Hazards or Adverse Site Conditions

29. Expansive Soils: Adequately addressed. The consultants report the site soils have “low” expansion potential.
30. Corrosive/Reactive Geochemistry of the Geologic Subgrade: Adequately addressed. The consultants report the soils have low corrosion potential to ferrous metals, and soluble sulfate concentration should have negligible impact to concrete elements.
31. Conditional Geologic Assessment: Selected geologic hazards addressed by the consultant are listed below:

- C. Flooding: Adequately addressed. The consultants report the site is located in Flood Zone X, outside the 0.2% annual chance floodplain, according to FEMA.
- D. Tsunami and Seiche Inundation: Adequately addressed. The consultants report the site is inland, elevated and not downstream of any water reservoirs, therefore seiche and tsunami hazards are low.

Report Documentation

- 32. Geology, Seismology, and Geotechnical References: Adequately addressed.
- 33. Certified Engineering Geologist: Adequately addressed.
Gregory R. Hanson, Certified Engineering Geologist #1469
- 34. Registered Geotechnical Engineer: Adequately addressed.
Gregory R. Hanson, Registered Geotechnical Engineer #2304

DRUG-FREE WORKPLACE CERTIFICATION

PROJECT/CONTRACT NO.: _____ between South San Francisco Unified School District ("District") and _____ ("Contractor" or "Bidder") ("Contract" or "Project").

This Drug-Free Workplace Certification form is required from the successful Bidder pursuant to Government Code section 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any state agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a state agency may be subject to suspension of payments or termination of the contract or grant, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

The District is not a "state agency" as defined in the applicable section(s) of the Government Code, but the District is a local agency and public school district under California law and requires all contractors on District projects to comply with the provisions and requirements of Government Code section 8350 et seq., the Drug-Free Workplace Act of 1990.

Contractor shall certify that it will provide a drug-free workplace by doing all of the following:

- a. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition.
- b. Establishing a drug-free awareness program to inform employees about all of the following:
 - (1) The dangers of drug abuse in the workplace.
 - (2) The person's or organization's policy of maintaining a drug-free workplace.
 - (3) The availability of drug counseling, rehabilitation, and employee-assistance programs.
 - (4) The penalties that may be imposed upon employees for drug abuse violations.
- c. Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required above, and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and (c) requiring that each employee engaged in the performance of the Contract be given a copy of the statement required by section 8355(a), and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the District determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of section 8355, that the Contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of the aforementioned Act.

I acknowledge that I am aware of the provisions of Government Code section 8350 et seq. and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Date: _____

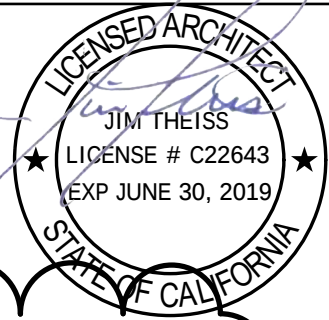
Proper Name of Contractor: _____

Signature: _____

Print Name: _____

Title: _____

END OF DOCUMENT



Date: 03/01/2018

SITE DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO CIVIL DRAWINGS FOR EXISTING UNDERGROUND UTILITY MAINS AND SERVICE LINES.
3. IF UTILITIES TO REMAIN IN PLACE ARE DAMAGED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY AND MAKE REPAIRS TO SAID LINES AS QUICKLY AS POSSIBLE, AT NO EXPENSE TO THE OWNER.
4. DEMOLITION OF UTILITIES TO BE STAGED AS REQUIRED SO THAT EXISTING SERVICE TO REMAINING BUILDINGS ARE NOT INTERRUPTED.
5. WITHIN THE LIMIT OF DEMOLITION, REMOVE ALL PAVING AND AGGREGATE BASE, STRUCTURES, TREES AND PLANTS, TOPSOILS, ORGANIC MATERIAL AND MISCELLANEOUS ITEMS UNLESS OTHERWISE NOTED ON PLANS. EXCAVATE TO PAD ELEVATION OR SUBGRADE DEPTH FOR PROPOSED CONSTRUCTION AS INDICATED ON PROJECT DOCUMENTS. REFER TO GEOTECH REPORT FOR ADDITIONAL INFORMATION.
6. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
7. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
8. TO ACCOMPLISH THE FULL SCOPE OF WORK, ADDITIONAL WORK MAY BE REQUIRED BEYOND THE INDICATED SITE WORK. REFER TO ALL CONSTRUCTION DOCUMENTS. ALL SUCH WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.



Parkway Heights Middle School

SCALE: N/A
DATE: MARCH 1, 2018
REFERENCE DRAWING: A-1.1 SITE PLAN - ACCESS

QKA JOB #: 1277.04
DSA APP. #: 01-116522
DSA FILE #: 41-28

ADD 3
03.01



Parkway Heights MS Modernization Phase II

Mandatory Pre-Bid Conference

Thursday, February 22, 2018 at 10:00 am

My Name below confirms my attendance. I certify that I have received all documents distributed by the District at this conference. I further certify my understanding that if I require further clarification of the information presented at this conference, I will request such clarification in writing from the Architect as described in the Notice Inviting Bids.

Please Print

	Firm Name & License Type	E-Mail	Your Name	Phone
1	E.F. Brett	lucas@efbrett.com	Lucas Silveira	415-524-8351
2	Rodan Builders, Inc.	bids@rodanbuilders.com	Larry Hayes	650-508-1700
3				
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Parkway Heights MS Modernization Phase II

Mandatory Pre-Bid Conference

Thursday, March 1, 2018 at 10:00 am

My Name below confirms my attendance. I certify that I have received all documents distributed by the District at this conference. I further certify my understanding that if I require further clarification of the information presented at this conference, I will request such clarification in writing from the Architect as described in the Notice Inviting Bids.

Please Print

	Firm Name & License Type	E-Mail	Your Name	Phone
1	Vila Construction	Bids@Vilaconstruction.com	Pariz Nunez	510-829-1538
2	BHM Construction	bids@bhmconstruction.com	James Said	425-997-6356
3	Trinet Construction	B4Trinet@yahoo.com	Bill Hickey	415-695-7814
4				
5				
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7				
8				
9				
10				

#	Firm Name	Type	MEP Type	Mailing Address					Phone	E-mail
				Street	Suite Unit	City	State	Zip		
1	ACCO Engineered Systems	Prequalified	Other	1133 Aladdin Avenue		San Leandro	CA	94577	510-346-4300	tdonnelly@accoes.com
3	Alpha Bay Builders, Inc	Prequalified	GC	3314 Cesar Chavez Street		San Francisco	CA	94110	415-282-6188	
4	Alten Construction, Inc	Prequalified	GC	1141 Marina Way South		Richmond	CA	94804	510-234-4200	bids@altenconstruction.com
5	Arntz Builders, Inc	Prequalified	GC	19 Pamaron Way		Novato	CA	94949	415-883-3756	bid@arntzbuilders.com
6	Bay City Mechanical, Inc	Prequalified	Mechanical	2474 De la Cruz Blvd		Santa Clara	CA	95050	408-573-7400	melanieh@axismechanicalinc.com
8	Cahill Contractor, LLC	Prequalified	GC	425 California St.	Suite 2200	San Francisco	CA	94104	415-986-0600	ballison@cahill-sf.com
9	Dinelli Plumbing, Inc	Prequalified	Plumbing	1160 Chess Drive	Suite 5	Foster City	CA	94404	650-372-9456	johnandinelli@dinelliplumbing.com
10	D-Line Constructors, Inc	Prequalified	GC	49 Embarcadero		Oakland	CA	94606	510-251-6400	tony@dlinconstructors.com
11	EF Brett & Company, Inc	Prequalified	GC	10 Paul Drive, Suite 100		San Rafael	CA	94903	415-524-8351	jimm@efbrett.com
12	Hydra Ventures, Inc dba. Cal Pacific Systems	Prequalified	Plumbing	1591 Howard St		San Francisco	CA	94103	415-252-8600	rob@hydracompanies.com
13	Mike Brown Electric Co	Prequalified	Electrical	561-A Mercantile Drive		Cotati	CA	94931	707-792-8100	susan@mbelectric.com
14	OWR Mechanical dba. Monarch Mechanical	Prequalified	Mechanical	5199 Fulton Drive	Suite D	Fairfield	CA	94534	707-374-4900	melody@monarchmech.com
15	Peterson Mechanical, Inc	Prequalified	Mechanical	21819 Eighth Street East		Sonoma	CA	95476	707-938-8481	zachb@petersonmechanical.com
16	RCM Fire Protection, Inc	Prequalified	Other	350 Enterprise Place		Tracy	CA	95304	209-833-8229	kadams@rcmfire.com
18	Trinet Construction, Inc	Prequalified	GC	2560 Marin Street		San Francisco	CA	94124	415-695-7814	nstrinet@gmail.com
19	Western Allied Mechanical, Inc	Prequalified	Mechanical	1180 O'Brien Dr		Menlo Park	CA	94025	650-326-0750	dhahn@westernallied.com
20	Bay Area Systems & Solutions, Inc dba. BASS Electric	MEP	Electrical	390 Swift Ave	STE. 12	South San Francisco	CA	94080	415-295-1600	dmaning-boles@basselectric.net
21	Del Monte Electric Company, Inc	MEP	Electrical	6998 Sierra Court		Dublin	CA	94568	925-829-6000	smullins@demontelectric.com
22	Digital Design Communications	MEP	Electrical	8135 Capwell Dr		Oakland	CA	94621	510-632-0650	vicmzamora@ddesigncom.com
23	Du-Mor Fire Systems, Inc	MEP	Other	17119 Placer Hills Rd		Meadow Vista	CA	95722	530-878-9055	dumorfir@usamedia.tv
24	H.A.Bowen Electric, Inc	MEP	Electrical	2055 Williams St		San Leandro	CA	94577	510-483-0500	brooke@bowenelectric.com
25	Landmark Modernization Contractors	GC	GC	5948 King Road		Loomis	CA	95650	916-663-1953	frontdesk@landmarkconst.net
26	Marquee Fire Protection	MEP	Other	710 West Stadium Lane		Sacramento	CA	95834	916-641-7997	jeff@marqueefire.com
27	McGrath Electric, Inc	MEP	Electrical	1941 Walters Ct	Ste B	Fairfield	CA	94533	707-422-4131	Eric@McGrathElectricInc.com
28	Northern Electric, Inc	MEP	Electrical	3190 Regional Parkway		Santa Rosa	CA	93405	707-571-2265	Katie@northernelectric.com
29	PCD	GC	GC	1032 Maxwell Dr		Santa Rosa	CA	95401	707-546-3633	cvelasquez@pcdinc.net
30	Vila Construction Company	Prequalified	GC	590 South 33rd Street		Richmond	CA	94804	510-236-9111	bids@vilaconstruction.com
31	Edward W. Scott Electric Co., Inc.	MEP	Electrical	500 West Ohio Avenue	Suite L	Richmond	CA	94804	415-206-7120	klane@scottelectric.com
32	Ray L. Hellwig Mechanical Co., Inc.	MEP	Mechanical	1309 Laurelwood Rd		Santa Clara	CA	95054	408-727-5080	daniellev@hellwigmechanical.com
33	Rodan Builders, Inc	Prequalified	GC	859 Cowan Rd		Burlingame	CA	94010	650-508-1700	doliver@rodanbuilders.com

		License Type											
#	Firm Name	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type	Type
1	ACCO Engineered Systems	A	B		C4	C10	C16	C20	C36	C38			
3	Alpha Bay Builders, Inc	A	B		C10	C14	C16	C36					
4	Alten Construction, Inc	A	B										
5	Arntz Builders, Inc	A	B										
6	Bay City Mechanical, Inc				C20								
8	Cahill Contractor, LLC		B										
9	Dinelli Plumbing, Inc						C36						
10	D-Line Constructors, Inc	A	B	ASB, HAZ	C21	C27							
11	EF Brett & Company, Inc	A	B										
12	Hydra Ventures, Inc dba. Cal Pacific Systems	A	B		C20	C36							
13	Mike Brown Electric Co				C10								
14	OWR Mechanical dba. Monarch Mechanical		B		C20	C43	C36						
15	Peterson Mechanical, Inc		B		C20	C16	C36	C38	C42	C43	C4	C34	
16	RCM Fire Protection, Inc												
18	Trinet Construction, Inc	A	B										
19	Western Allied Mechanical, Inc		B		C20	C36							
20	Bay Area Systems & Solutions, Inc dba. BASS Electric	A			C10								
21	Del Monte Electric Company, Inc				C10								
22	Digital Design Communications		B		C10								
23	Du-Mor Fire Systems, Inc				C16								
24	H.A.Bowen Electric, Inc				C10								
25	Landmark Modernization Contractors	A	B										
26	Marquee Fire Protection				C16								
27	McGrath Electric, Inc				C10								
28	Northern Electric, Inc				C10								
29	PCD				C7								
30	Vila Construction Company	A	B										
31	Edward W. Scott Electric Co., Inc.	A	B		C10								
32	Ray L. Hellwig Mechanical Co., Inc.		B		C20	C16	C4	C36	C43				
33	Rodan Builders, Inc	A	B		C21								