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Project No. 2015-29
November 7, 2015

Mr. Tyler Wood
Lennar Multifamily Communities
492 9th Street Suite 300
Oakland, California 94607

Subject: **PHASE II ENVIRONMENTAL SITE ASSESSMENT**
Parking Lot Parcels
1750 Webster Street and 301 19th Street
APNs 008-0625-016; 008-0625-017; and 008-0625-002-1
Oakland, California

References:

1) Well Installation and Quarterly Groundwater Monitoring Report at 1750 Webster Street, Oakland, California
By ATC Associates, Inc.
Dated September 25, 1998

2) Quarterly Groundwater Monitoring Report – First Quarter 1999 1750 Webster Street, Oakland, California
By ATC Associates, Inc.
Dated April 1, 1999

3) Phase I Environmental Site Assessment at 1711, 1801, 1805, 1811, 1817 through 1839 Harrison Street; 301 19th Street; 1732 through 1736, 1750, and 1801 Webster Street in Oakland, California
By ***GeoSolve, Inc.***
Dated November 6, 2015

Dear Mr. Wood:

At your request, ***GeoSolve, Inc.*** had conducted a Phase II Environmental Site Assessment (ESA) for the above referenced properties. The subject property for this Phase II ESA includes 1750 Webster Street and 301 19th Street in Oakland, California. The subject site consists of three parcels bounded by Webster Street to the north, 19th Street to the east and Harrison Street to the south with Assessor Parcel Numbers (APNs) 008-0625-016; 008-0625-017; and 008-0625-002-1. The subject site is vacant and used as parking lots. The site vicinity is shown on Figure 1, Site Vicinity Map.

Background

Based on review of References 1 and 2, elevated concentrations of total petroleum hydrocarbons reported as gasoline (TPHg) and benzene were detected in groundwater up to 200,000 micrograms per liter (µg/L) and 14,000 µg/L on the southern portion of the property along Webster Street. Based on the findings of our Phase I ESA (Reference 3), the elevated concentrations of TPHg, benzene, toluene, ethyl benzene, and total xylenes (BTEX) appear to have originated from 1721 Webster Street, which is situated approximately 300 feet northwest of the subject property and immediately up-gradient.

The purpose of conducting this Phase II ESA is to evaluate the current concentrations of TPHg, BTEX and lead within the subsurface soil and groundwater beneath the subject properties prior to purchasing the land.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Prior to commencement of fieldwork, ***GeoSolve, Inc.*** visited the subject property, marked three locations with white paint, and contacted underground service alert (USA) 48-hours before drilling activities. In addition, a Site-Specific Health and Safety Plan was prepared for the project, and was kept on site during fieldwork activities.

Fieldwork

Once USA was notified and the underground utilities were marked, a ***GeoSolve, Inc.*** field geologist observed Penecore Drilling, Inc., a State-licensed drilling contractor (C57-906899) of Woodland, California, advance three borings (B-1 through B-3) to groundwater on October 28, 2015. The locations of borings B-1 through B-3 are shown on Figure 2. Boring B-1 was advanced on 1750 Webster Street and borings B-2 and B-3 were advanced on 301 19th Street. The borings were advanced using a direct-push drilling rig, equipped with Enviro-Core (dual-tube) sampling system. Each sampling rod was lined with Acetate sample liners and each boring was continuously cored. Each boring was logged in accordance with the Unified Soil Classification System (USCS) and soil samples were hand-sawed at 5-feet, 10-feet, 15-feet, and 20-feet, 25-feet and some to 30-feet below ground surface (bgs). The soil sample ends were covered with Teflon tape, capped, labeled, and placed within a pre-chilled ice chest for temporary storage.

After the soil samples were collected from each boring, clean 1-inch diameter PVC well screening was inserted into each boring and groundwater "grab" samples were collected from each boring using a hand bailer, and decentered into laboratory supplied and pre-hydrochloric acidified 40 milliliter (ml) VOAs. Each VOA was sealed, checked for headspace, labeled, and placed within a pre-chilled ice-chest for temporary storage.

Once soil and groundwater samples were collected from each boring, the borings were backfilled with neat cement to grade.

Soil Sample Description

The subsurface materials encountered at the site included brown fine sandy silt to silty fine sand beneath the asphalt with minor fill immediately beneath the asphalt, to approximately 21 feet and 22 feet bgs in borings B-2 and B-3, and 27 feet bgs in boring B-1. The fine sandy silt to silty fine sand was underlain by tan buff silty clay to the total explored depths of 25 feet bgs in borings B-2 and B-3 and 30 feet bgs in boring B-1.

Olive discoloration and strong petroleum odors were noted in boring B-1 at approximately 22 feet bgs and slight to strong hydrocarbon odors at 18 feet and 19 feet bgs in borings B-2 and B-3. Groundwater was encountered at 22 feet in boring B-1 and 17 feet bgs in borings B-2 and B-3. Copies of the Boring Logs are attached to this letter report as Appendix A.

Laboratory Methods and Analyses

Selected soil and groundwater samples were delivered under chain-of-custody documentation to McCampbell Analytical, Inc., a State-certified hazardous waste sampling laboratory (Certification No. 1644) in Pittsburg, California.

Soil samples B1-5, B2-5, and B3-5 were analyzed for total lead using Environmental Protection Agency (EPA) SW3050B/SW6010B. Soil samples B1-10, B1-15, B1-17.5, B1-22, B1-25, B1-30, B2-10, B2-15, B2-20, B2-25, B3-10, B3-15, B3-20, B3-20D (duplicate sample), B3-25 and groundwater grab samples B-1, B-2, and B-3 were analyzed for TPHg, BTEX and methyl tertiary butyl ether (MTBE) using EPA Methods SW5030B/SW8021B/8015m. Groundwater grab samples were also analyzed for lead using EPA Method E200.8, and was filtered prior to analysis.

A summary of laboratory analyses are shown on Tables 1 and 2, Laboratory Analytical Results of Soil Samples and Groundwater Samples and a copy of the McCampbell Analytical, Inc. Laboratory Analytical Report and Chain-of-Custody Documents are attached to Appendix B.

TABLE 1
LABORATORY ANALYTICAL RESULTS OF SOIL SAMPLES
1750 Webster Street and 301 19th Street
Oakland, California
October 28, 2015

Sample ID	Sample Depth (feet)	TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	Lead (mg/Kg)
B1-5	5	NA	NA	NA	NA	NA	NA	**170**
B1-10	10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	5.8
B1-15	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B1-17.5	17.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B1-22	22	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B1-25	25	<1.0	<0.005	<0.005	<0.005	0.016	<0.05	<5.0
B1-30	30	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	6.8
B2-5	5	NA	NA	NA	NA	NA	NA	5.3

Sample ID	Sample Depth (feet)	TPHg (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Total Xylenes (mg/Kg)	MTBE (mg/Kg)	Lead (mg/Kg)
B2-10	10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B2-15	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B2-20	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B2-25	25	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	9.8
B3-5	5	NA	NA	NA	NA	NA	NA	5.3
B3-10	10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B3-15	15	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	6.7
B3-20	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	<5.0
B3-20D	20	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	8.9
B3-25	25	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	7.3
ESLs	---	*100*	*0.74*	*9.3*	*4.7*	*111*	*8.4*	*80*

mg/Kg = milligrams per kilogram, equivalent to parts per million (ppm).
NA = not analyzed.

TABLE 2
LABORATORY ANALYTICAL RESULTS OF GROUNDWATER SAMPLES
1750 Webster Street and 301 19th Street
Oakland, California
October 28, 2015

Sample ID	Sample Depth (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Lead (µg/L)
B-1	22	**26,000**	**140**	**1,300**	**1,100**	**4,900**	<250	0.54
B-2	17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
B-3	17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ESLs	---	*500*	*27*	*130*	*43*	*100*	*1,800*	*80*

µg/L = micrograms per liter, equivalent to parts per billion (ppb).

Discussion

Based on the laboratory analytical results of soil samples, concentrations of TPHg, BTEX, or MTBE were not detected in all soil samples analyzed from borings B-1 through B-3 as shown on Table 1, with the exception of total xylenes. Total xylenes was the only chemical constituent detected in soil sample B1-25 at 0.016 mg/Kg, which is significantly below the California Regional Water Quality Control Board – Region 2 (RWQCB) Environmental Screening Level (ESL) of 111 mg/Kg for residential development (Table B, December 2013).

Lead was detected at 170 mg/Kg in soil sample B1-5, which exceeded the residential ESL of 80 mg/Kg and lead was detected below the residential ESL in all other soil samples analyzed from borings B-1 through B-3.

TPHg, BTEX, MTBE and lead were not detected in groundwater samples collected from borings B-2 or B-3. MTBE was not detected in groundwater sample B-1. Lead was detected up to 0.54 micrograms per liter (µg/L) in groundwater sample B-1. Elevated concentrations of TPHg was

detected at 26,000 µg/L, which exceed the residential ESL of 500 µg/L in groundwater sample B-1. Benzene, toluene, ethyl benzene and total xylenes exceeded residential ESLs of 27 µg/L, 130 µg/L and 100 µg/L, respectively.

Conclusions

Based on the field and laboratory analytical results discussed in this Letter Report, ***GeoSolve, Inc.*** concludes the following:

- No detectable concentrations of TPHg, MTBE or BTEX were reported in all soil samples analyzed, with the exception of soil sample B1-25, which indicated a very low concentration of 0.016 mg/Kg.

- No detectable concentrations of TPHg, MTBE, or BTEX were reported in groundwater samples B-2 and B-3.

- Elevated concentrations of TPHg (26,000 µg/L), benzene (140 µg/L), toluene (1,300 µg/L), ethyl benzene (1,100 µg/L), and total xylenes (4,900 µg/L) exceed the residential ESLs in groundwater sample B-1. These elevated concentrations of TPHg and BTEX are most likely from the up-gradient and off-site source property at 1721 Webster Street.

- Lead was either not detected or detected below the ESL of 80 mg/Kg in most soil samples analyzed, with the exception of soil sample B1-5, which indicated a lead concentration of 170 mg/Kg. Higher lead concentrations maybe present at shallower depths beneath the 1750 Webster Street property.

Recommendations

Based on the conclusions presented in this Letter Report, ***GeoSolve, Inc.*** concludes the following:

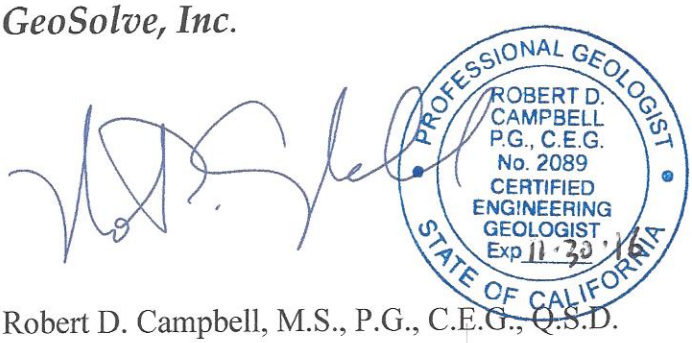
- Conducting additional shallow soil sampling within the 1750 Webster Street by advancing 8 borings to approximately 6 feet bgs and soil samples should be collected at 1-foot intervals in each boring for laboratory analysis for lead and asbestos containing materials (ACMs – as recommended in Reference 3).

- Advancing additional borings to groundwater in the remainder of the entire site established in Reference 3, and collect soil and groundwater samples for analyses for lead, TPHg, BTEX, and volatile organic compounds (VOCs – as recommended in Reference 3) using EPA Methods 6010B, 8021 and 8260B.

If you have any questions or need further information regarding this Phase II ESA, please call us at (925) 963-1198.

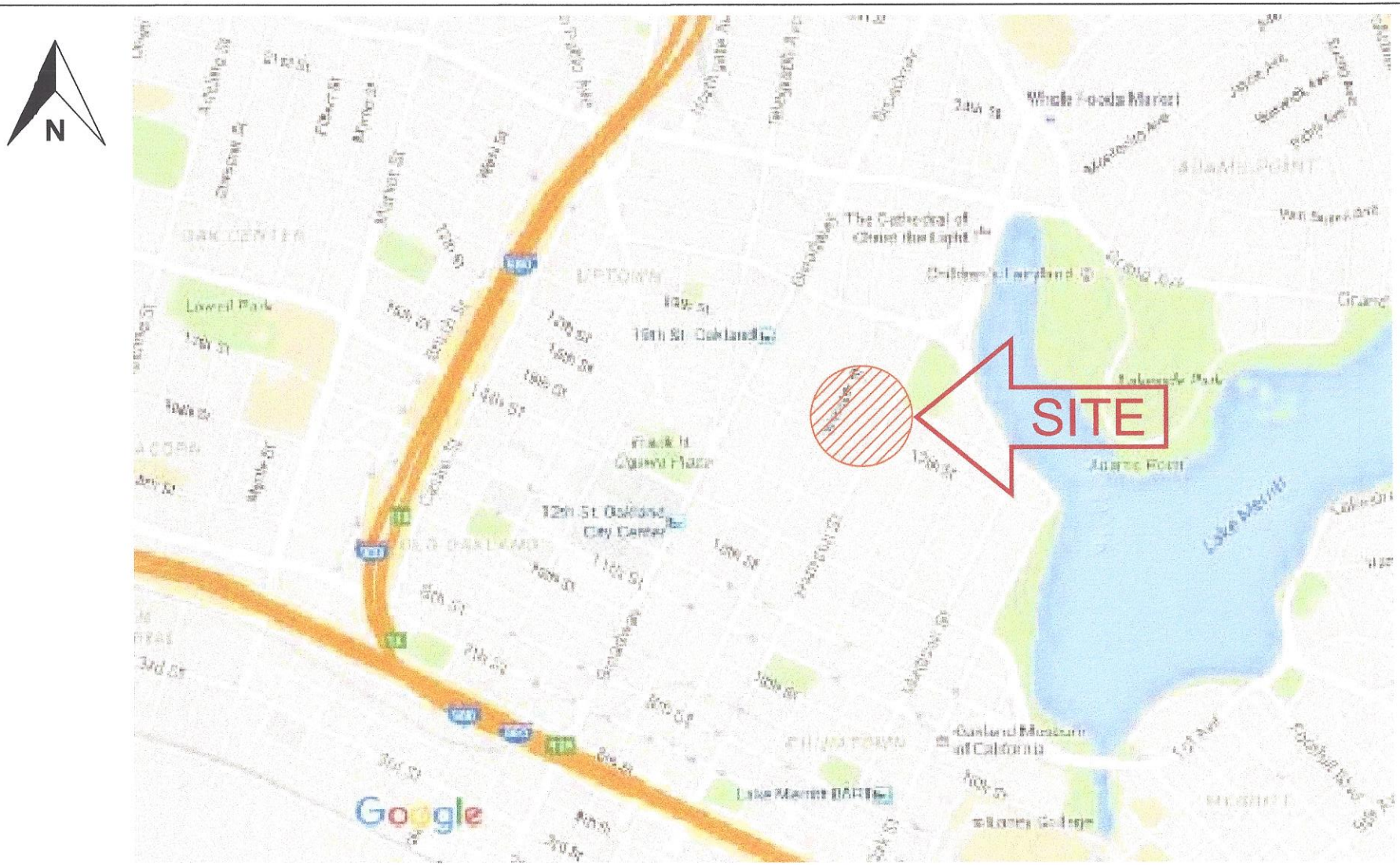
Sincerely,

GeoSolve, Inc.



Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Attachments: Figure 1, Site Vicinity Map
Figure 2, Site Plan
Appendix A – Logs of Borings
Appendix B – McCampbell Analytical, Inc. Laboratory Analytical Report and Chain-of-Custody Documents



Source: Google Maps, 2015

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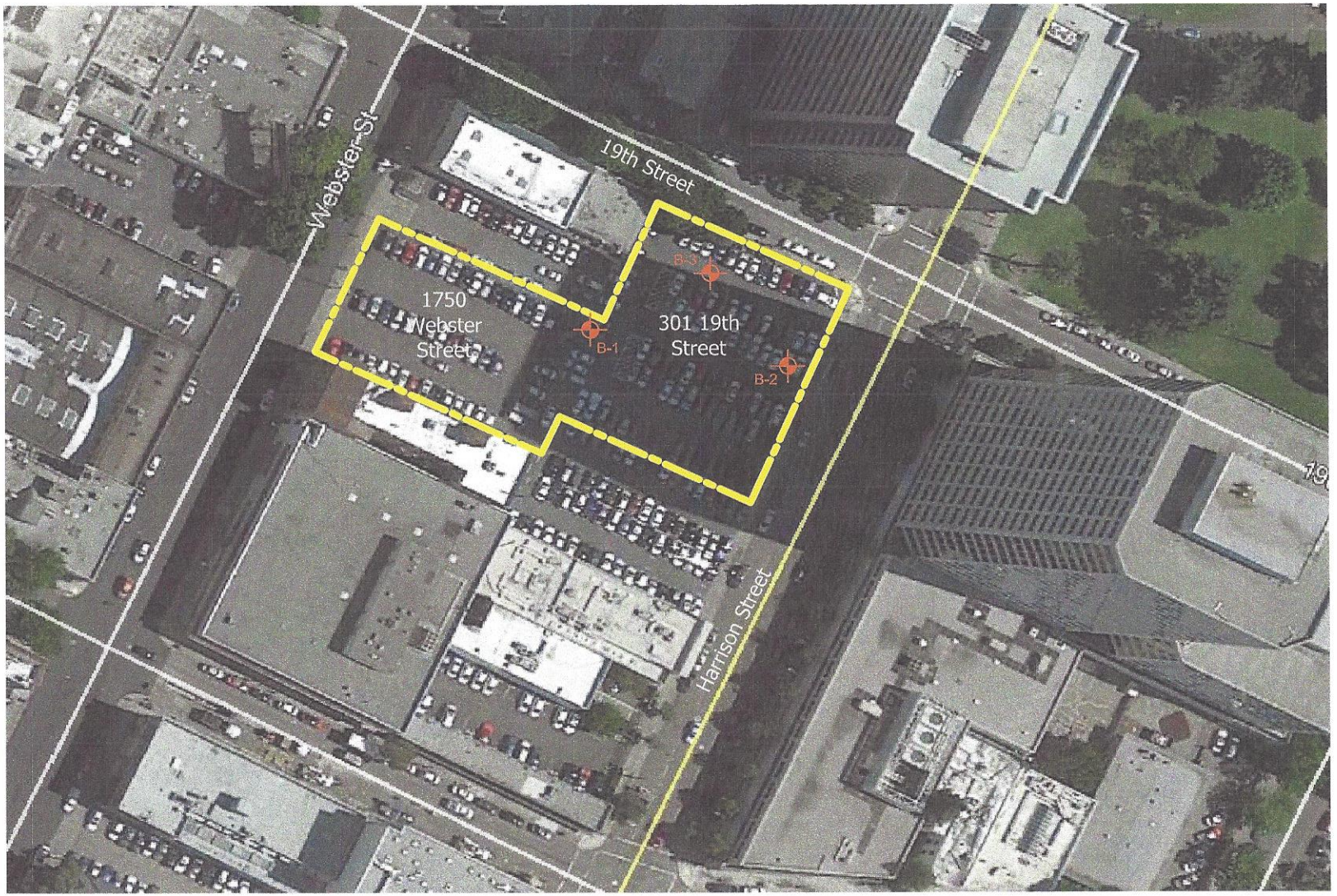
VICINITY MAP

LENNAR MULTIFAMILY COMMUNITIES
PHASE II - ENVIRONMENTAL SITE ASSESSMENTS
1750 WEBSTER STREET and 301 19th STREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:
2015-29	GC
Scale:	Date:
AS SHOWN	11/2015

1



Source: Google Earth, 2015

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SITE PLAN

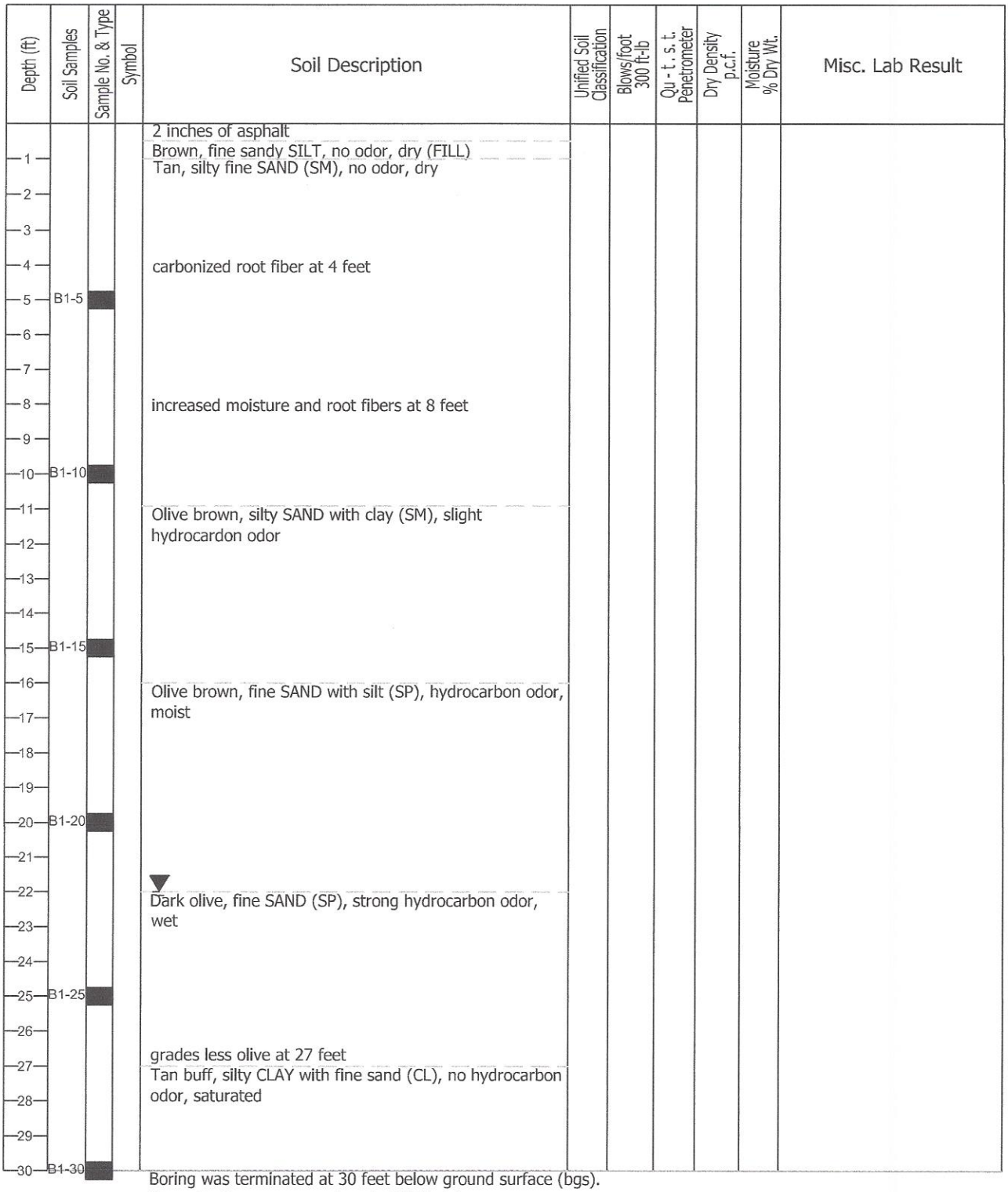
LENNAR MULTIFAMILY COMMUNITIES
PHASE II ENVIRONMENTAL SITE ASSESSMENTS
1750 WEBSTER STREET and 301 19th STREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:
2015-29	GC
Scale:	Date:
AS SHOWN	11/2015

Figure No. 2

APPENDIX A

LOGS OF BORING



Boring was terminated at 30 feet below ground surface (bgs).
Groundwater was encountered at 22 feet bgs.

Logged by:	Date Logged:	Diameter:
RDC	10/28/15	2.5"

BORING LOG

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1750 WEBSTER STREET and 301 19th sTREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:	Scale:	Date:
2015-29	GC	NA	11/2015

Figure No.
B-1

Depth (ft)	Soil Samples	Sample No. & Type	Symbol	Soil Description	Unified Soil Classification	Blows/foot 300 ft-lb	Qu - t. s. f. Penetrometer	Dry Density p.c.f.	Moisture % Dry Wt.	Misc. Lab Result
1				2 inches of asphalt Tan mottled reddish brown, silty fine SAND with clay (SM), root fiber, no odor, moist						
2										
3				Gray brown, clayey SAND (SC), root fiber, no odor, moist						
4										
5	B2-5									
6										
7										
8										
9										
10	B2-10									
11				Brown, fine SAND with silt (SP), no odor, moist						
12										
13										
14										
15	B2-15			less silt at 15 feet						
16										
17				▼ hydrocarbon odor at 17 feet						
18				Olive gray brown, fine SAND (SP), slight hydrocardon odor, wet						
19										
20	B2-20									
21										
22				Tan buff, silty CLAY (CL), no hydrocarbon odor. saturated						
23										
24										
25	B2-25			Boring was terminated at 25 feet below ground surface (bgs). Groundwater was encountered at 17 feet bgs.						
26										
27										
28										
29										
30										

Logged by:	Date Logged:	Diameter:
RDC	10/28/15	2.5"

BORING LOG

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LENNAR MULTIFAMILY COMMUNITIES
PHASE II ENVIRONMENTAL SITE ASSESSMENTS
1750 WEBSTER STREET and 301 19th sTREET
OAKLAND, CALIFORNIA

Figure No. B-2

Project No.	Drawn by:	Scale:	Date:
2015-29	GC	NA	11/2015

Depth (ft)	Soil Samples	Sample No. & Type	Symbol	Soil Description	Unified Soil Classification	Blows/foot 300 ft-lb	Qu - t. s. t. Penetrometer	Dry Density p.c.f.	Moisture % Dry Wt.	Misc. Lab Result
1				2 inches of asphalt Tan mottled reddish brown, clayey fine SAND (SC), no odor, moist						
5	B3-5			grades red at 5 feet						
10	B3-10			Tan reddish brown, fine SAND (SP) no odor, moist						
13				Olive brown, silty fine SAND (SM), slight hydrocardon odor, moist						
15	B3-15			▼						
19				grade olive at 19 feet, strong hydrocarbon odor						
20	B3-20			Olive, silty CLAY (CL), slight hydrocarbon odor, saturated						
24				Buff tan, silty CLAY (CL), no hydrocarbon odor, saturated						
25	B3-25			Boring was terminated at 25 feet below ground surface (bgs). Groundwater was encountered at 17 feet bgs.						
30										

Logged by:	Date Logged:	Diameter:
RDC	10/28/15	2.5"

BORING LOG

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LENNAR MULTIFAMILY COMMUNITIES
PHASE II ENVIRONMENTAL SITE ASSESSMENTS
1750 WEBSTER STREET and 301 19th sTREET
OAKLAND, CALIFORNIA

Project No.	Drawn by:	Scale:	Date:
2015-29	GC	NA	11/2015

Figure No.
B-3

APPENDIX B

McCAMPBELL ANALYTICAL, INC. LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1510A45

Report Created for: Geosolve, Inc.

1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.:
Project Name: 2015-29; Webster & 19th St.

Project Received: 10/28/2015

Analytical Report reviewed & approved for release on 11/04/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc.
Project: 2015-29; Webster & 19th St.
WorkOrder: 1510A45

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

F	sample was filtered upon arrival to the lab
b1	aqueous sample that contains greater than ~1 vol. % sediment
d1	weakly modified or unmodified gasoline is significant

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc.
Project: 2015-29; Webster & 19th St.
WorkOrder: 1510A45

Quality Control Qualifiers

F8	MS/MSD recovery and/or RPD was out of acceptance criteria; PDS validated the prep batch. If PDS recovery was out of acceptance criteria, DLT validated the prep batch.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-10	1510A45-002A	Soil	10/28/2015	GC19	112151

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/30/2015 00:27
MTBE	ND	0.050	1	10/30/2015 00:27
Benzene	ND	0.0050	1	10/30/2015 00:27
Toluene	ND	0.0050	1	10/30/2015 00:27
Ethylbenzene	ND	0.0050	1	10/30/2015 00:27
Xylenes	ND	0.0050	1	10/30/2015 00:27
Surrogates	REC (%)	Limits		
2-Fluorotoluene	115	70-130		10/30/2015 00:27

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-15	1510A45-003A	Soil	10/28/2015	GC19	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/30/2015 00:58
MTBE	ND	0.050	1	10/30/2015 00:58
Benzene	ND	0.0050	1	10/30/2015 00:58
Toluene	ND	0.0050	1	10/30/2015 00:58
Ethylbenzene	ND	0.0050	1	10/30/2015 00:58
Xylenes	ND	0.0050	1	10/30/2015 00:58
Surrogates	REC (%)	Limits		
2-Fluorotoluene	114	70-130		10/30/2015 00:58

Analyst(s): IA

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-17.5	1510A45-004A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 02:01
MTBE	ND	0.050	1	10/31/2015 02:01
Benzene	ND	0.0050	1	10/31/2015 02:01
Toluene	ND	0.0050	1	10/31/2015 02:01
Ethylbenzene	ND	0.0050	1	10/31/2015 02:01
Xylenes	ND	0.0050	1	10/31/2015 02:01

Surrogates	REC (%)	Limits	
2-Fluorotoluene	96	70-130	10/31/2015 02:01

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-22	1510A45-006A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 02:30
MTBE	ND	0.050	1	10/31/2015 02:30
Benzene	ND	0.0050	1	10/31/2015 02:30
Toluene	ND	0.0050	1	10/31/2015 02:30
Ethylbenzene	ND	0.0050	1	10/31/2015 02:30
Xylenes	ND	0.0050	1	10/31/2015 02:30

Surrogates	REC (%)	Limits	
2-Fluorotoluene	103	70-130	10/31/2015 02:30

Analyst(s): IA

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-25	1510A45-007A	Soil	10/28/2015	GC19	112291

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/02/2015 20:14
MTBE	ND	0.050	1	11/02/2015 20:14
Benzene	ND	0.0050	1	11/02/2015 20:14
Toluene	ND	0.0050	1	11/02/2015 20:14
Ethylbenzene	ND	0.0050	1	11/02/2015 20:14
Xylenes	**0.016**	0.0050	1	11/02/2015 20:14

Surrogates	REC (%)	Limits	
2-Fluorotoluene	110	70-130	11/02/2015 20:14

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-30	1510A45-008A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/30/2015 23:01
MTBE	ND	0.050	1	10/30/2015 23:01
Benzene	ND	0.0050	1	10/30/2015 23:01
Toluene	ND	0.0050	1	10/30/2015 23:01
Ethylbenzene	ND	0.0050	1	10/30/2015 23:01
Xylenes	ND	0.0050	1	10/30/2015 23:01

Surrogates	REC (%)	Limits	
2-Fluorotoluene	98	70-130	10/30/2015 23:01

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-10	1510A45-010A	Soil	10/28/2015	GC19	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/30/2015 03:01
MTBE	ND	0.050	1	10/30/2015 03:01
Benzene	ND	0.0050	1	10/30/2015 03:01
Toluene	ND	0.0050	1	10/30/2015 03:01
Ethylbenzene	ND	0.0050	1	10/30/2015 03:01
Xylenes	ND	0.0050	1	10/30/2015 03:01

Surrogates	REC (%)	Limits	
2-Fluorotoluene	105	70-130	10/30/2015 03:01

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-15	1510A45-011A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 03:59
MTBE	ND	0.050	1	10/31/2015 03:59
Benzene	ND	0.0050	1	10/31/2015 03:59
Toluene	ND	0.0050	1	10/31/2015 03:59
Ethylbenzene	ND	0.0050	1	10/31/2015 03:59
Xylenes	ND	0.0050	1	10/31/2015 03:59

Surrogates	REC (%)	Limits	
2-Fluorotoluene	97	70-130	10/31/2015 03:59

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-20	1510A45-012A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 04:29
MTBE	ND	0.050	1	10/31/2015 04:29
Benzene	ND	0.0050	1	10/31/2015 04:29
Toluene	ND	0.0050	1	10/31/2015 04:29
Ethylbenzene	ND	0.0050	1	10/31/2015 04:29
Xylenes	ND	0.0050	1	10/31/2015 04:29
Surrogates	REC (%)	Limits		
2-Fluorotoluene	111	70-130		10/31/2015 04:29

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-25	1510A45-013A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 00:01
MTBE	ND	0.050	1	10/31/2015 00:01
Benzene	ND	0.0050	1	10/31/2015 00:01
Toluene	ND	0.0050	1	10/31/2015 00:01
Ethylbenzene	ND	0.0050	1	10/31/2015 00:01
Xylenes	ND	0.0050	1	10/31/2015 00:01
Surrogates	REC (%)	Limits		
2-Fluorotoluene	100	70-130		10/31/2015 00:01

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-10	1510A45-015A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 04:58
MTBE	ND	0.050	1	10/31/2015 04:58
Benzene	ND	0.0050	1	10/31/2015 04:58
Toluene	ND	0.0050	1	10/31/2015 04:58
Ethylbenzene	ND	0.0050	1	10/31/2015 04:58
Xylenes	ND	0.0050	1	10/31/2015 04:58

Surrogates	REC (%)	Limits	
2-Fluorotoluene	100	70-130	10/31/2015 04:58

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-15	1510A45-016A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 05:28
MTBE	ND	0.050	1	10/31/2015 05:28
Benzene	ND	0.0050	1	10/31/2015 05:28
Toluene	ND	0.0050	1	10/31/2015 05:28
Ethylbenzene	ND	0.0050	1	10/31/2015 05:28
Xylenes	ND	0.0050	1	10/31/2015 05:28

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	10/31/2015 05:28

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-20	1510A45-017A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 05:57
MTBE	ND	0.050	1	10/31/2015 05:57
Benzene	ND	0.0050	1	10/31/2015 05:57
Toluene	ND	0.0050	1	10/31/2015 05:57
Ethylbenzene	ND	0.0050	1	10/31/2015 05:57
Xylenes	ND	0.0050	1	10/31/2015 05:57

Surrogates	REC (%)	Limits	
2-Fluorotoluene	100	70-130	10/31/2015 05:57

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-20D	1510A45-018A	Soil	10/28/2015	GC7	112181

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/31/2015 06:56
MTBE	ND	0.050	1	10/31/2015 06:56
Benzene	ND	0.0050	1	10/31/2015 06:56
Toluene	ND	0.0050	1	10/31/2015 06:56
Ethylbenzene	ND	0.0050	1	10/31/2015 06:56
Xylenes	ND	0.0050	1	10/31/2015 06:56

Surrogates	REC (%)	Limits	
2-Fluorotoluene	97	70-130	10/31/2015 06:56

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/29/15-11/2/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-25	1510A45-019A	Soil	10/28/2015	GC19	112291

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	11/02/2015 20:44
MTBE	ND	0.050	1	11/02/2015 20:44
Benzene	ND	0.0050	1	11/02/2015 20:44
Toluene	ND	0.0050	1	11/02/2015 20:44
Ethylbenzene	ND	0.0050	1	11/02/2015 20:44
Xylenes	ND	0.0050	1	11/02/2015 20:44
Surrogates	REC (%)	Limits		
2-Fluorotoluene	111	70-130		11/02/2015 20:44

Analyst(s): IA

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/31/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	1510A45-020A	Water	10/28/2015	GC3	112289

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**26,000**	2500	50	10/31/2015 23:44
MTBE	ND	250	50	10/31/2015 23:44
Benzene	**140**	25	50	10/31/2015 23:44
Toluene	**1300**	25	50	10/31/2015 23:44
Ethylbenzene	**1100**	25	50	10/31/2015 23:44
Xylenes	**4900**	25	50	10/31/2015 23:44

Surrogates	REC (%)	Limits	
aaa-TFT	109	70-130	10/31/2015 23:44

Analyst(s): IA Analytical Comments: d1,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-2	1510A45-021A	Water	10/28/2015	GC3	112289

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/31/2015 17:08
MTBE	ND	5.0	1	10/31/2015 17:08
Benzene	ND	0.50	1	10/31/2015 17:08
Toluene	ND	0.50	1	10/31/2015 17:08
Ethylbenzene	ND	0.50	1	10/31/2015 17:08
Xylenes	ND	0.50	1	10/31/2015 17:08

Surrogates	REC (%)	Limits	
aaa-TFT	95	70-130	10/31/2015 17:08

Analyst(s): IA Analytical Comments: b1

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW5030B
Date Prepared:	10/31/15	**Analytical Method:**	SW8021B/8015Bm
Project:	2015-29; Webster & 19th St.	**Unit:**	µg/L

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	1510A45-022A	Water	10/28/2015	GC3	112289

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/31/2015 18:11
MTBE	ND	5.0	1	10/31/2015 18:11
Benzene	ND	0.50	1	10/31/2015 18:11
Toluene	ND	0.50	1	10/31/2015 18:11
Ethylbenzene	ND	0.50	1	10/31/2015 18:11
Xylenes	ND	0.50	1	10/31/2015 18:11

Surrogates	REC (%)	Limits	
aaa-TFT	91	70-130	10/31/2015 18:11

Analyst(s): IA Analytical Comments: b1

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	E200.8
Date Prepared:	10/29/15	**Analytical Method:**	E200.8
Project:	2015-29; Webster & 19th St.	**Unit:**	µg/L

Dissolved Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-1	1510A45-020B	Water	10/28/2015	ICP-MS2	112182

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Lead	**0.54**	F	0.50	1	10/29/2015 20:22

Analyst(s): AC Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-2	1510A45-021B	Water	10/28/2015	ICP-MS2	112182

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Lead	ND	F	0.50	1	10/29/2015 22:19

Analyst(s): AC Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-3	1510A45-022B	Water	10/28/2015	ICP-MS2	112182

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Lead	ND	F	0.50	1	10/29/2015 22:25

Analyst(s): AC Analytical Comments: b1

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW3050B
Date Prepared:	10/29/15	**Analytical Method:**	SW6010B
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-5	1510A45-001A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**170**	5.0	1	11/03/2015 13:46

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 13:46

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-10	1510A45-002A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.8**	5.0	1	11/03/2015 13:48

Surrogates	REC (%)	Limits	
Terbium	116	70-130	11/03/2015 13:48

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-15	1510A45-003A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 13:50

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 13:50

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-17.5	1510A45-004A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 13:53

Surrogates	REC (%)	Limits	
Terbium	112	70-130	11/03/2015 13:53

Analyst(s): BBO

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW3050B
Date Prepared:	10/29/15	**Analytical Method:**	SW6010B
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-22	1510A45-006A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 13:55

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 13:55

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-25	1510A45-007A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:02

Surrogates	REC (%)	Limits	
Terbium	113	70-130	11/03/2015 14:02

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B1-30	1510A45-008A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.8**	5.0	1	11/03/2015 14:05

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 14:05

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-5	1510A45-009A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	5.0	1	11/03/2015 14:07

Surrogates	REC (%)	Limits	
Terbium	115	70-130	11/03/2015 14:07

Analyst(s): BBO

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW3050B
Date Prepared:	10/29/15	**Analytical Method:**	SW6010B
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-10	1510A45-010A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:10

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 14:10

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-15	1510A45-011A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:12

Surrogates	REC (%)	Limits	
Terbium	115	70-130	11/03/2015 14:12

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-20	1510A45-012A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:14

Surrogates	REC (%)	Limits	
Terbium	108	70-130	11/03/2015 14:14

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B2-25	1510A45-013A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**9.8**	5.0	1	11/03/2015 14:17

Surrogates	REC (%)	Limits	
Terbium	109	70-130	11/03/2015 14:17

Analyst(s): BBO

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW3050B
Date Prepared:	10/29/15	**Analytical Method:**	SW6010B
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-5	1510A45-014A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.3**	5.0	1	11/03/2015 14:19

Surrogates	REC (%)	Limits	
Terbium	118	70-130	11/03/2015 14:19

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-10	1510A45-015A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:22

Surrogates	REC (%)	Limits	
Terbium	117	70-130	11/03/2015 14:22

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-15	1510A45-016A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.7**	5.0	1	11/03/2015 14:24

Surrogates	REC (%)	Limits	
Terbium	109	70-130	11/03/2015 14:24

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-20	1510A45-017A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	11/03/2015 14:31

Surrogates	REC (%)	Limits	
Terbium	114	70-130	11/03/2015 14:31

Analyst(s): BBO

(Cont.)

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Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Received:	10/28/15 16:45	**Extraction Method:**	SW3050B
Date Prepared:	10/29/15	**Analytical Method:**	SW6010B
Project:	2015-29; Webster & 19th St.	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-20D	1510A45-018A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**8.9**	5.0	1	11/03/2015 14:34

Surrogates	REC (%)	Limits	
Terbium	112	70-130	11/03/2015 14:34

Analyst(s): BBO

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B3-25	1510A45-019A	Soil	10/28/2015	ICP-JY	112172

Analytes	Result	RL	DF	Date Analyzed
Lead	**7.3**	5.0	1	11/03/2015 14:36

Surrogates	REC (%)	Limits	
Terbium	120	70-130	11/03/2015 14:36

Analyst(s): BBO

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	10/28/15	**BatchID:**	112151
Date Analyzed:	10/28/15	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112151 1510A19-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.595	0.40	0.60	-	99	70-130
MTBE	ND	0.0926	0.050	0.10	-	93	70-130
Benzene	ND	0.105	0.0050	0.10	-	105	70-130
Toluene	ND	0.107	0.0050	0.10	-	107	70-130
Ethylbenzene	ND	0.109	0.0050	0.10	-	109	70-130
Xylenes	ND	0.352	0.0050	0.30	-	117	70-130
Surrogate Recovery							
2-Fluorotoluene	0.128	0.124		0.10	128	124	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.535	0.510	0.60	ND	89	85	70-130	4.77	20
MTBE	0.0768	0.0758	0.10	ND	77	76	70-130	1.26	20
Benzene	0.0854	0.0868	0.10	ND	85	87	70-130	1.57	20
Toluene	0.0865	0.0874	0.10	ND	87	87	70-130	0	20
Ethylbenzene	0.0864	0.0868	0.10	ND	86	87	70-130	0.469	20
Xylenes	0.260	0.261	0.30	ND	87	87	70-130	0	20
Surrogate Recovery									
2-Fluorotoluene	0.0901	0.0933	0.10		90	93	70-130	3.47	20

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	10/29/15	**BatchID:**	112181
Date Analyzed:	10/29/15	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112181 1510A45-002AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.507	0.40	0.60	-	84	70-130
MTBE	ND	0.0868	0.050	0.10	-	87	70-130
Benzene	ND	0.0899	0.0050	0.10	-	90	70-130
Toluene	ND	0.0858	0.0050	0.10	-	86	70-130
Ethylbenzene	ND	0.0907	0.0050	0.10	-	91	70-130
Xylenes	ND	0.284	0.0050	0.30	-	95	70-130
Surrogate Recovery							
2-Fluorotoluene	0.112	0.104		0.10	112	104	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.581	0.564	0.60	ND	97	94	70-130	2.93	20
MTBE	0.0818	0.0953	0.10	ND	82	95	70-130	15.2	20
Benzene	0.0899	0.0996	0.10	ND	90	100	70-130	10.2	20
Toluene	0.0904	0.0995	0.10	ND	90	100	70-130	9.59	20
Ethylbenzene	0.0915	0.0983	0.10	ND	92	98	70-130	7.15	20
Xylenes	0.279	0.296	0.30	ND	93	99	70-130	5.92	20
Surrogate Recovery									
2-Fluorotoluene	0.0938	0.103	0.10		94	103	70-130	9.38	20

(Cont.)

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	11/2/15	**BatchID:**	112291
Date Analyzed:	11/2/15	**Extraction Method:**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112291 1511033-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.600	0.40	0.60	-	100	70-130
MTBE	ND	0.0885	0.050	0.10	-	89	70-130
Benzene	ND	0.104	0.0050	0.10	-	104	70-130
Toluene	ND	0.105	0.0050	0.10	-	105	70-130
Ethylbenzene	ND	0.108	0.0050	0.10	-	108	70-130
Xylenes	ND	0.344	0.0050	0.30	-	115	70-130
Surrogate Recovery							
2-Fluorotoluene	0.129	0.123		0.10	129	123	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	NR	NR		ND	NR	NR	-	NR	
MTBE	NR	NR		ND	NR	NR	-	NR	
Benzene	NR	NR		ND	NR	NR	-	NR	
Toluene	NR	NR		0.0089	NR	NR	-	NR	
Ethylbenzene	NR	NR		0.015	NR	NR	-	NR	
Xylenes	NR	NR		0.098	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorotoluene	NR	NR			NR	NR	-	NR	

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	10/31/15	**BatchID:**	112289
Date Analyzed:	10/31/15	**Extraction Method:**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112289 1510A45-021AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	59.7	40	60	-	100	70-130
MTBE	ND	10.6	5.0	10	-	106	70-130
Benzene	ND	9.66	0.50	10	-	97	70-130
Toluene	ND	9.73	0.50	10	-	97	70-130
Ethylbenzene	ND	9.85	0.50	10	-	98	70-130
Xylenes	ND	29.9	0.50	30	-	100	70-130
Surrogate Recovery							
aaa-TFT	9.18	9.44		10	92	94	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.1	59.4	60	ND	102	99	70-130	2.87	20
MTBE	9.62	9.68	10	ND	96	97	70-130	0.669	20
Benzene	10.3	10.1	10	ND	103	101	70-130	2.50	20
Toluene	10.4	10.0	10	ND	102	99	70-130	3.28	20
Ethylbenzene	10.5	10.2	10	ND	105	102	70-130	2.92	20
Xylenes	31.9	31.1	30	ND	106	104	70-130	2.34	20
Surrogate Recovery									
aaa-TFT	9.40	9.45	10		94	94	70-130	0	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	10/29/15	**BatchID:**	112182
Date Analyzed:	10/29/15	**Extraction Method:**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112182 1510A45-020BMS/MSD

QC Summary Report for Dissolved Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	47.8	0.50	50	-	96	85-115

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	48.8	48.5	50	0.54	96	96	70-130	0	20

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Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	1510A45
Date Prepared:	10/28/15	**BatchID:**	112172
Date Analyzed:	10/29/15 - 10/30/15	**Extraction Method:**	SW3050B
Instrument:	ICP-JY	**Analytical Method:**	SW6010B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	2015-29; Webster & 19th St.	**Sample ID:**	MB/LCS-112172 1510A39-001AMS/MSD 1510A39-001APDS

QC Summary Report for Lead

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.8	5.0	50	-	102	75-125
Surrogate Recovery							
Terbium	549	535		500	110	107	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	785	770	50	451.5	668,F8	638,F8	75-125	1.93	25
Surrogate Recovery									
Terbium	588	575	500		118	115	70-130	2.28	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	496	50	451.5	89	80-120

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510A45 **ClientCode: GSP**

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Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO:
ProjectNo: 2015-29; Webster & 19th St.

Bill to:
Lisa Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
lcampbell@geosolve-inc.com

Requested TAT: **5 days;**

Date Received: **10/28/2015**
Date Printed: **11/03/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1510A45-001	B1-5	Soil	10/28/2015	☐			A									
1510A45-002	B1-10	Soil	10/28/2015	☐	A		A									
1510A45-003	B1-15	Soil	10/28/2015	☐	A		A									
1510A45-004	B1-17.5	Soil	10/28/2015	☐	A		A									
1510A45-006	B1-22	Soil	10/28/2015	☐	A		A									
1510A45-007	B1-25	Soil	10/28/2015	☐	A		A									
1510A45-008	B1-30	Soil	10/28/2015	☐	A		A									
1510A45-009	B2-5	Soil	10/28/2015	☐			A									
1510A45-010	B2-10	Soil	10/28/2015	☐	A		A									
1510A45-011	B2-15	Soil	10/28/2015	☐	A		A									
1510A45-012	B2-20	Soil	10/28/2015	☐	A		A									
1510A45-013	B2-25	Soil	10/28/2015	☐	A		A									
1510A45-014	B3-5	Soil	10/28/2015	☐			A									
1510A45-015	B3-10	Soil	10/28/2015	☐	A		A									
1510A45-016	B3-15	Soil	10/28/2015	☐	A		A									

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	PB_S	4	PBMS_DISS
5	PRDISSOLVED	6		7		8	
9		10		11		12	

Prepared by: Lindsay Diesta

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1510A45 **ClientCode: GSP**

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Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO:
ProjectNo: 2015-29; Webster & 19th St.

Bill to:
Lisa Campbell
Geosolve, Inc.
1807 Santa Rita Road, Suite D-165
Pleasanton, CA 94566
lcampbell@geosolve-inc.com

Requested TAT: **5 days;**

Date Received: **10/28/2015**
Date Printed: **11/03/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1510A45-017	B3-20	Soil	10/28/2015	☐	A		A									
1510A45-018	B3-20D	Soil	10/28/2015	☐	A		A									
1510A45-019	B3-25	Soil	10/28/2015	☐	A		A									
1510A45-020	B-1	Water	10/28/2015	☐		A		B	B							
1510A45-021	B-2	Water	10/28/2015	☐		A		B	B							
1510A45-022	B-3	Water	10/28/2015	☐		A		B	B							

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	PB_S	4	PBMS_DISS
5	PRDISSOLVED	6		7		8	
9		10		11		12	

Prepared by: Lindsay Diesta

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **QC Level:** LEVEL 2 **Work Order:** 1510A45
Project: 2015-29; Webster & 19th St. **Client Contact:** Rob Campbell **Date Received:** 10/28/2015
Comments: **Contact's Email:** rcampbell@geosolve-inc.com

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A45-001A	B1-5	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
1510A45-002A	B1-10	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-003A	B1-15	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-004A	B1-17.5	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-005A	B1-20	Soil		1	Acetate Liner	☐	10/28/2015			☑	
1510A45-006A	B1-22	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-007A	B1-25	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-008A	B1-30	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-009A	B2-5	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
1510A45-010A	B2-10	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **QC Level:** LEVEL 2 **Work Order:** 1510A45
Project: 2015-29; Webster & 19th St. **Client Contact:** Rob Campbell **Date Received:** 10/28/2015
Comments: **Contact's Email:** rcampbell@geosolve-inc.com

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A45-010A	B2-10	Soil	SW8021B/8015Bm (G/MBTEX)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
1510A45-011A	B2-15	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-012A	B2-20	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-013A	B2-25	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-014A	B3-5	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
1510A45-015A	B3-10	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-016A	B3-15	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-017A	B3-20	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-018A	B3-20D	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **QC Level:** LEVEL 2 **Work Order:** 1510A45
Project: 2015-29; Webster & 19th St. **Client Contact:** Rob Campbell **Date Received:** 10/28/2015
Comments: **Contact's Email:** rcampbell@geosolve-inc.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1510A45-019A	B3-25	Soil	SW6010B (Lead)	1	Acetate Liner	☐	10/28/2015	5 days		☐	
			SW8021B/8015Bm (G/MBTEX)			☐		5 days		☐	
1510A45-020A	B-1	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	10/28/2015	5 days	25%+	☐	
1510A45-020B	B-1	Water	SW6020 (Lead) (Dissolved-Lab Filtered)	1	250mL HDPE, unprsv.	☐	10/28/2015	5 days	25%+	☐	
1510A45-021A	B-2	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	10/28/2015	5 days	25%+	☐	
1510A45-021B	B-2	Water	SW6020 (Lead) (Dissolved-Lab Filtered)	1	4oz glass jar	☐	10/28/2015	5 days	25%+	☐	
1510A45-022A	B-3	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	10/28/2015	5 days	25%+	☐	
1510A45-022B	B-3	Water	SW6020 (Lead) (Dissolved-Lab Filtered)	1	4oz glass jar	☐	10/28/2015	5 days	25%+	☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☐ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ ; **Claim #**_____

Report To: Rob Campbell **Bill To:** GeoSolve, Inc.

Company: GeoSolve, Inc.

1807 Santa Rita Rd #D165 Pleasanton, CA 94566

Tele: (925) 963-1198 **E-Mail:** rcampbell@geosolve-inc.com

Project #: 2015-29 **Project Name:** Webster & 19th St.

Project Location: 1750 Webster St. **Purchase Order#** 2015-29

Sampler Signature: [signature]

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other (Ice)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis	Lead Hold
B1-5		10.28.15		1					X						X															X	
B1-10				1					X						X	X														X	
B1-15				1					X						X	X														X	
B1-17.5				1					X						X	X														X	
B1-20				1					X						X															X	X
B1-22				1					X						X	X														X	
B1-25				1					X						X	X														X	
B1-30				1					X						X	X														X	
B2-5				1					X						X															X	X
B2-10				1					X						X	X														X	X
B2-15				1					X						X	X														X	

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
[signature]	10.28.15	1530	[signature]
[signature]	10/28/15	1645	[signature]
			[signature]

ICE/t° 3.1 COMMENTS:

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:

PRESERVATION_____ pH<2_____

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☐ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ **UST Clean Up Fund Project** ☐ ; **Claim #**_____

Report To: Bob Campbell **Bill To:** GeoSolve, Inc.

Company: GeoSolve Inc.

1807 Santa Rita Rd #D165 Pleasanton, CA 94566

Tele: (925) 963-1198 **E-Mail:** rcampbell@geosolve-inc.com

Project #: 2015-29 **Project Name:** Webster & 19th Street

Project Location: 175P Webster St. **Purchase Order#** 2015-29

Sampler Signature:

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other	Analysis Request: BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis	Lead	Hold
B2-20		10-28	15	1					X						X	X															X	
B2-25				1					X						X	X															X	
B3-5				1					X						X																X	X
B3-10				1					X						X	X															X	
B3-15				1					X						X	X															X	
B3-20				1					X						X	X															X	
B3-20D				1					X						X	X															X	
B3-25				1					X						X	X															X	
B-1				4	X								X		X	X															X	
B-2				4	X								X		X	X															X	
B-3				4	X								X		X	X															X	

Lead Hold

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	10.28.15	1530	
Relinquished By:	Date:	Time:	Received By:
	10/28/15	1645	
Relinquished By:	Date:	Time:	Received By:

ICE/t° 5-1

GOOD CONDITION_____

HEAD SPACE ABSENT_____

DECHLORINATED IN LAB_____

APPROPRIATE CONTAINERS_____

PRESERVED IN LAB_____

PRESERVATION_____ VOAS O&G METALS OTHER HAZARDOUS: pH<2_____

COMMENTS: Filter groundwater prior to lead analysis

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Sample Receipt Checklist

Client Name:	**Geosolve, Inc.**	Date and Time Received:	**10/28/2015 4:45:00 PM**
Project Name:	**2015-29; Webster & 19th St.**	LogIn Reviewed by:	Lindsay Diesta
WorkOrder №:	**1510A45** Matrix: Soil/Water	Carrier:	Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	
Sample/Temp Blank temperature	Temp: 3.1°C				NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes	☑	No	☐	NA ☐
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: