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October 30, 2013

Ms. Sandra Caldwell
Washington State Department of Ecology
PO Box 47775
Olympia, Washington 98504-7775

BY E-MAIL ONLY

RE: CLOSURE REPORT
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON
FARALLON PN: 299-001

Dear Ms. Caldwell:

Farallon Consulting, L.L.C. (Farallon) has prepared this Closure Report on behalf of MJB Properties, L.L.C. (MJB) to summarize the cleanup action completed in July 2013 at the North Dock Area property owned by MJB adjacent to Fidalgo Bay in Anacortes, Washington (herein referred to as the Property) (Figure 1). The cleanup action was performed in accordance with the recommendations contained in the *Property Investigation Summary Report, MJB North Dock Area, Anacortes, Washington* dated October 15, 2012, prepared by Farallon (Property Investigation report) and approved in an e-mail dated December 24, 2012 from Ms. Sandra Caldwell.

The subsurface Property Investigation conducted by Farallon identified polycyclic aromatic hydrocarbons (PAHs), quantified and evaluated as the total carcinogenic PAHs toxic equivalency factor (total cPAHs TEF), and cadmium and mercury in soil at concentrations exceeding Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup levels for unrestricted land uses. The identified contaminants likely were related to the presence of fill material placed on the Property during historical dredging activities in Fidalgo Bay and/or historical operations on the Property.

Groundwater samples from a monitoring well near one of the two areas with elevated PAHs in soil also contained m,p-cresol (a PAH) at a concentration that exceeded the MTCA Method B cleanup level for groundwater.

Based on the reported concentrations of PAHs, including m,p-cresol, cadmium, and mercury, exceeding MTCA Method A and Method B cleanup levels for soil and/or groundwater, those constituents were identified as constituents of concern (COCs) for the Property.

This Closure Report presents the analytical results for confirmation samples collected during cleanup activities to remediate the two localized areas with COCs in soil at concentrations exceeding MTCA Method A cleanup levels in accordance with the provisions of Section 430 of Chapter 173-340 of the Washington Administrative Code (WAC 173-340-430). The cleanup activities were conducted during redevelopment of the Property and in compliance with threshold requirements of WAC 173-340-360 to protect human health and the environment, cleanup standards, and applicable state and federal laws. The cleanup activities were conducted in accordance with MTCA as an independent

action under the direction of Ecology, and were conducted in a manner substantially equivalent to a remedial action conducted by Ecology.

BACKGROUND

The Property is bounded by Fidalgo Bay to the east, R Avenue to the West, 22nd Street to the South, and minimally developed upland property to the north (Figure 2). The Property is south of the historical Scott Paper Mill facility. Historical Sanborn insurance maps showed a shingle mill on the northeastern portion of the Property in the early 1900s, and single-family residences on the remainder of the Property. The Property currently is unpaved and includes several pole structure buildings used for general storage.

Based on Farallon's observations during the Property Investigation, the general subsurface stratigraphy at the Property comprises varying amounts of fill material approximately 2 to 15 feet thick, underlain by native clay. Groundwater was not present within the fill horizon on the majority of the Property with the exception of a discontinuous perched groundwater-bearing zone encountered on the northeastern portion of the Property at depths ranging from 5 to 9 feet below ground surface (bgs) within the fill horizon. The inferred groundwater flow direction within the perched discontinuous groundwater-bearing zone is east, toward Fidalgo Bay.

PREVIOUS INVESTIGATION SUMMARY

A Property Investigation was conducted by Farallon in October and November 2011. Soil sampling activities included excavation and sampling of backhoe test pits TP-1 through TP-10 to assess potential sources of constituents of potential concern (COPCs). Groundwater monitoring wells MW-1 through MW-3 were installed on the northeastern portion of the Property to assess groundwater quality within the discontinuous perched groundwater-bearing zone encountered within the fill horizon. The test pit and monitoring well locations are shown on Figure 2. Laboratory analytical results for soil and groundwater sampling conducted during the Property Investigation by Farallon are summarized in Tables 1 through 10 and on Figures 3 through 8.

SOIL

COPCs were detected at concentrations exceeding MTCA cleanup levels only in the soil samples collected from test pits TP-5 and TP-6, in the northeast corner of the Property. Cadmium and mercury were detected at concentrations slightly above their respective MTCA Method A cleanup levels in soil samples collected from the fill horizon in test pits TP-5 and TP-6 (Table 4). The total cPAHs TEF calculated for soil samples collected from test pits TP-5 and TP-6 also exceeded the MTCA Method A cleanup levels for unrestricted land uses (Table 3).

Total petroleum hydrocarbons, including diesel- and oil-range organics, were detected at concentrations below MTCA Method A cleanup levels in soil samples collected from test pits TP-5, TP-6, and TP-7 (Table 1). Dioxins and furans were detected at concentrations below the total 2,3,7,8-TCDD toxicity equivalent (TEQ) value for human health in soil samples collected from test pits TP-1, TP-4, TP-5, TP-6, and TP-10 (Table 6). Several volatile organic compounds (VOCs) were detected at concentrations below MTCA cleanup levels in soil samples collected throughout the Property (Table 3). The other analytes tested for were reported non-detect at the laboratory practical quantitation limits.

GROUNDWATER

The PAH m,p-cresol was reported at a concentration of 9.3 micrograms per liter (µg/l) in the groundwater sample collected from monitoring well MW-2, and was the only detected analyte that exceeded MTCA cleanup levels (Table 9). The m,p-cresol MTCA Method B cleanup level for groundwater is 8 µg/l. This finding was consistent with the cPAHs calculated for soil at test pit TP-6, excavated near monitoring well MW-2. The remaining analytes tested for in the groundwater sample collected from monitoring well MW-2 were reported non-detect at the laboratory practical quantitation limit. Groundwater samples collected from monitoring wells MW-1 and MW-3 were reported non-detect at the laboratory practical quantitation limit for the analytes tested for.

Based on the results of the Property Investigation, the COCs were identified and found to be present in two limited areas, likely related to the presence of fill material placed during historical dredging activities in Fidalgo Bay and/or historical operations on the Property. Soil near test pits TP-5 and TP-6 was therefore recommended for a cleanup action in the Property Investigation report.

CLEANUP ACTION JULY 2013

A cleanup action was completed at the Property on July 9, 2013 and consisted of excavation and off-site disposal of fill horizon soil proximate to monitoring well/test pit locations MW-1/TP-5 (EX1) and MW-2/TP-6 (EX2) (Figure 2).

EXCAVATION AREAS AND CONFIRMATION SOIL SAMPLING

The analytical results from the Property Investigation soil sampling were used to identify soil that required disposal off the Property. Excavation areas EX1 and EX2 were completed using a trackhoe excavator provided by MJB (Figure 2). Each excavation comprised an area of approximately 6 by 6 feet, and was completed to a depth of 12.5 feet bgs, which coincided with the top of native soil encountered beneath the fill.

Based on previous analytical results and field observations, clean soil excavated from the upper intervals at each location was segregated into temporary stockpiles and reused as backfill in the completed excavations. Additional clean gravel material was used to backfill the remainder of each excavation as needed.

One confirmation soil sample was collected at the final limits of each excavation and analyzed for the specific COCs previously identified in the Property Investigation to demonstrate that the cleanup level has been attained. Confirmation soil samples were collected directly from the excavator bucket and placed into laboratory-prepared containers. The samples were placed on ice in a cooler and submitted under standard chain-of-custody protocols to the laboratory for analysis.

Excavation Area EX1

The EX1 excavation area at the test pit TP-5/monitoring well MW-1 location measured approximately 6 by 6 feet, and was completed to a total depth of 12.5 feet bgs (Figure 2). Based on previous soil sample analytical results, soil from the upper soil interval (from the ground surface to a depth of 7.5 feet bgs) was segregated as clean material and reused to backfill the excavation upon completion.

Groundwater was encountered during digging at this location, and was observed as a small seep at approximately 8 feet bgs. Groundwater did not interfere with completing the excavation or collecting a confirmation soil sample at the final limits of the excavation.

Confirmation soil sample EX1-12.5 was collected from native soil at a depth of 12.5 feet bgs in excavation area EX1.

Soil removed from excavation area EX1 that was intended for off-site disposal was placed in a temporary stockpile on visqueen plastic sheeting. Based on a field estimate, the soil removed from the EX1 excavation and segregated for off-site disposal totaled approximately 17.5 cubic yards.

Excavation Area EX2

The EX2 excavation area at the test pit TP-6/monitoring well MW-2 location measured approximately 6 by 6 feet, and was completed to a total depth of 12.5 feet bgs (Figure 2). Based on previous soil sample analytical results, soil from the upper interval (from the ground surface to a depth of 1.5 feet bgs) was segregated as clean material and reused to backfill the excavation upon completion.

Groundwater was encountered during digging at this location, and was observed as a small seep at approximately 8.5 feet bgs. Groundwater did not interfere with completing the excavation or collecting a confirmation soil sample at the final limits of the excavation.

Confirmation soil sample EX2-12.5 was collected from native soil at a depth of 12.5 feet bgs in excavation area EX2.

Soil removed from excavation area EX2 that was intended for off-site disposal was placed in a temporary stockpile on visqueen plastic sheeting. Based on a field estimate, the soil removed from the EX2 excavation and segregated for off-site disposal totaled approximately 35 cubic yards.

WASTE SAMPLING AND DISPOSAL

Following completion of the EX1 and EX2 excavations, a grab sample was collected from each stockpile for compositing into sample SP1-070913 for waste characterization purposes. The stockpiles were then covered with visqueen plastic sheeting and secured.

On August 19 through 21, 2013, MJB loaded and transported the stockpiled soil by truck off the Property to the Republic Services 3rd and Lander waste transfer facility in Seattle, Washington for containerization, rail transport, and disposal at the Subtitle D Landfill in Roosevelt, Washington. Landfill weight tickets show receipt of 68.31 tons of contaminated soil from the Property. Waste disposal manifests are included in Attachment A.

ANALYTICAL RESULTS

Analytical results for the confirmation soil samples collected in excavation areas EX1 and EX2 are presented on Figures 4 and 5, and in Tables 12 and 13. Both confirmation soil samples were reported non-detect at the laboratory practical quantitation limits for the COCs tested.

The composite soil sample collected from the stockpiles was submitted for laboratory analysis for total Resource Conservation and Recovery Act (RCRA) 8 metals and Toxicity Characteristic Leaching Procedure (TCLP) RCRA 8 metals for waste characterization purposes. The total and TCLP metals analytical results are presented in Tables 13 and 14, and were within the acceptable range for the selected waste disposal facility.

The analytical results for this sampling event are provided in Attachment B.

CONCLUSIONS AND REQUEST FOR NO FURTHER ACTION DETERMINATION

Excavation remediation activities and confirmation soil sampling were completed at prior test pit locations TP-5 and TP-6 in accordance with the recommendations provided in the Property Investigation report, and as approved by Ecology. Approximately 53 cubic yards of soil was excavated and transported off the Property to a Subtitle D landfill for disposal as contaminated soil. The analytical results for confirmation soil samples collected at the limit of each excavation confirm that the cleanup levels were attained at the standard point of compliance for soil. The excavation remediation activities were successful in removing the identified source areas for COCs on the Property.

Based on the results of the cleanup action, MJB requests that Ecology issue a property-specific No Further Action determination for the upland portion of the North Dock Area.

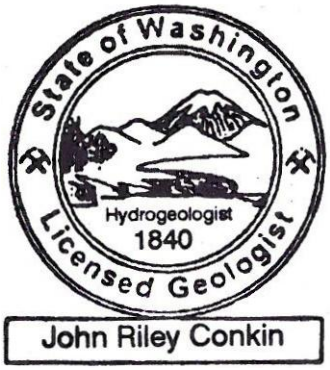
Farallon trusts this Closure Report provides sufficient information for Ecology to evaluate the request for a property-specific No Further Action determination. Please contact Riley Conkin at (425) 295-0800 if you have questions or require additional information.

Sincerely,

Farallon Consulting, L.L.C.

Andrew E. Seutter
Senior Engineering Geologist

J. Riley Conkin, L.G., L.H.G.
Principal Geologist



Attachments:
Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan and Soil Excavation Areas*
Figure 3, *Site Plan Showing Soil Analytical Results for Total Petroleum Hydrocarbons*
Figure 4, *Site Plan Showing Soil Analytical Results for VOCs, SVOCs, cPAHs, PCBs, and D/F TEQ*
Figure 5, *Site Plan Showing Soil Analytical Results for Metals*
Figure 6, *Site Plan Showing Groundwater Analytical Results for Total Petroleum Hydrocarbons*
Figure 7, *Site Plan Showing Groundwater Analytical Results for VOCs and SVOCs*
Figure 8, *Site Plan Showing Groundwater Analytical Results for Metals*

Table 1, *Summary of Soil Analytical Results - Total Petroleum Hydrocarbons*
Table 2, *Summary of Soil Analytical Result - Volatile Organic Compounds*
Table 3, *Summary of Soil Analytical Results - Semivolatile Organic Compounds*
Table 4, *Summary of Soil Analytical Results - Metals*
Table 5, *Summary of Soil Analytical Results - Polychlorinated Biphenyls*
Table 6, *Summary of Soil Analytical Results - Dioxins and Furans*
Table 7, *Summary of Groundwater Analytical Results - Total Petroleum Hydrocarbons*
Table 8, *Summary of Groundwater Analytical Results - Volatile Organic Compounds*
Table 9, *Summary of Groundwater Analytical Results - Semivolatile Organic Compounds*
Table 10, *Summary of Groundwater Analytical Results – Metals*
Table 11, *Excavation Confirmation Soil Sample Analytical Results – Semivolatile Organic Compounds*
Table 12, *Excavation Confirmation Soil Sample Analytical Results – Total Metals*
Table 13, *Summary of Soil Stockpile Analytical Results – Total RCRA 8 Metals*
Table 14, *Summary of Soil Stockpile Analytical Results – TCLP RCRA 8 Metals*

Attachment A, Waste Disposal Documentation
Attachment B, Analytical Report

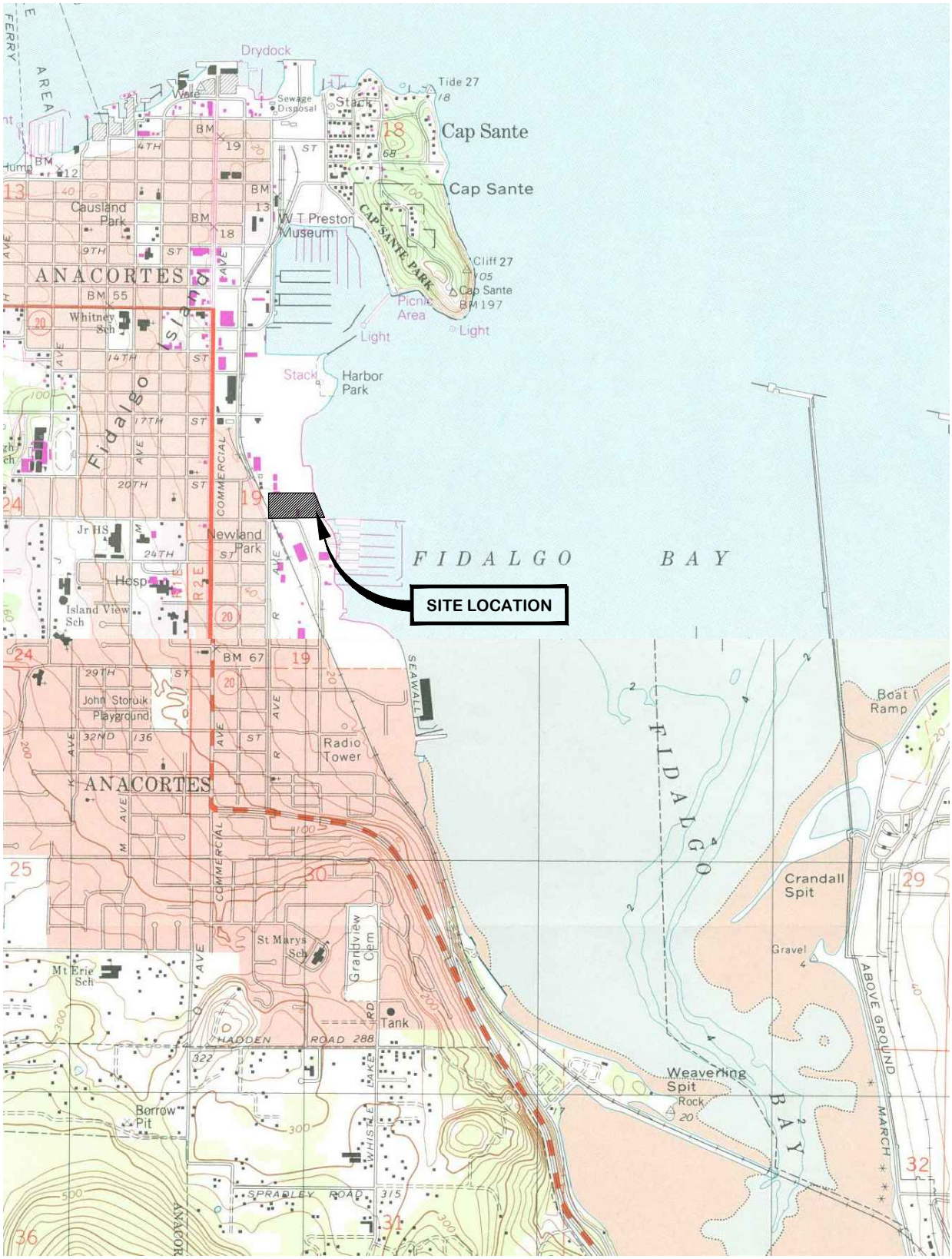
cc: Mr. Jimmy Blais, MJB (by e-mail)
Mr. William Joyce, Joyce Ziker Parkinson, PLLC (by e-mail)

AES/JRC:bjj

FIGURES

CLOSURE REPORT
MJB North Dock Area
Anacortes, Washington

Farallon PN: 299-001



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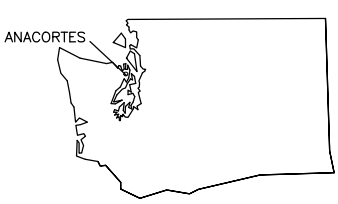

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FIGURE 1

SITE VICINITY MAP
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

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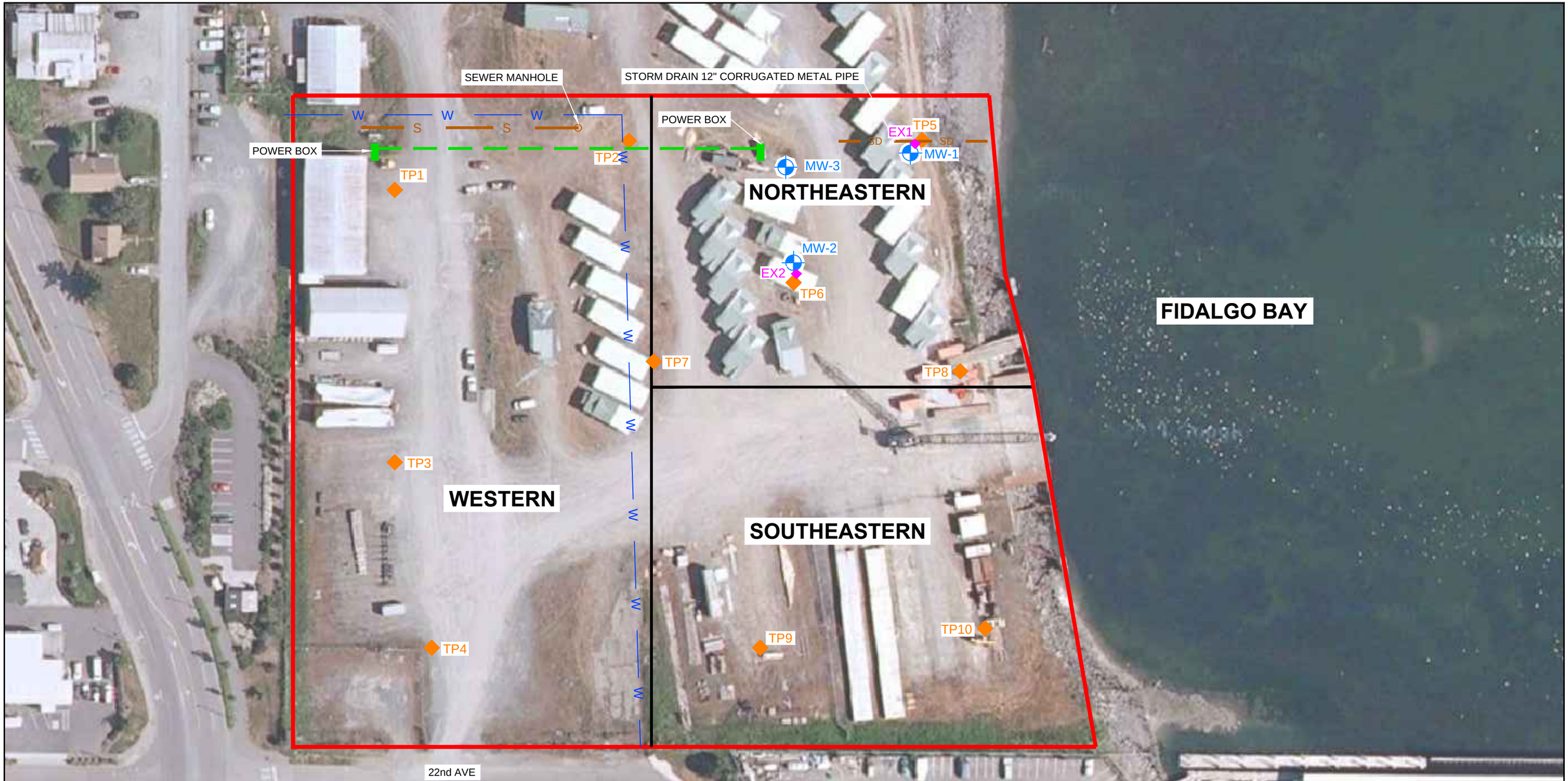
Drawn By: DEW	Checked By: RC	Date: 10/29/13	Disk Reference: 299001



LEGEND

- MJB NORTH DOCK AREA
- POWER LINE
- S — SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- BORING / TEST PIT LOCATION
- MONITORING WELL LOCATION
- EX2 — REMEDIAL EXCAVATION LOCATION

NOTE:
SOIL EXCAVATION AREAS EX1 AND EX2 MEASURED APPROXIMATELY 6 FEET BY 6 FEET BY 12.5 FEET DEEP, AND WERE COMPLETED ON JULY 9, 2013.

0 80
Scale in feet

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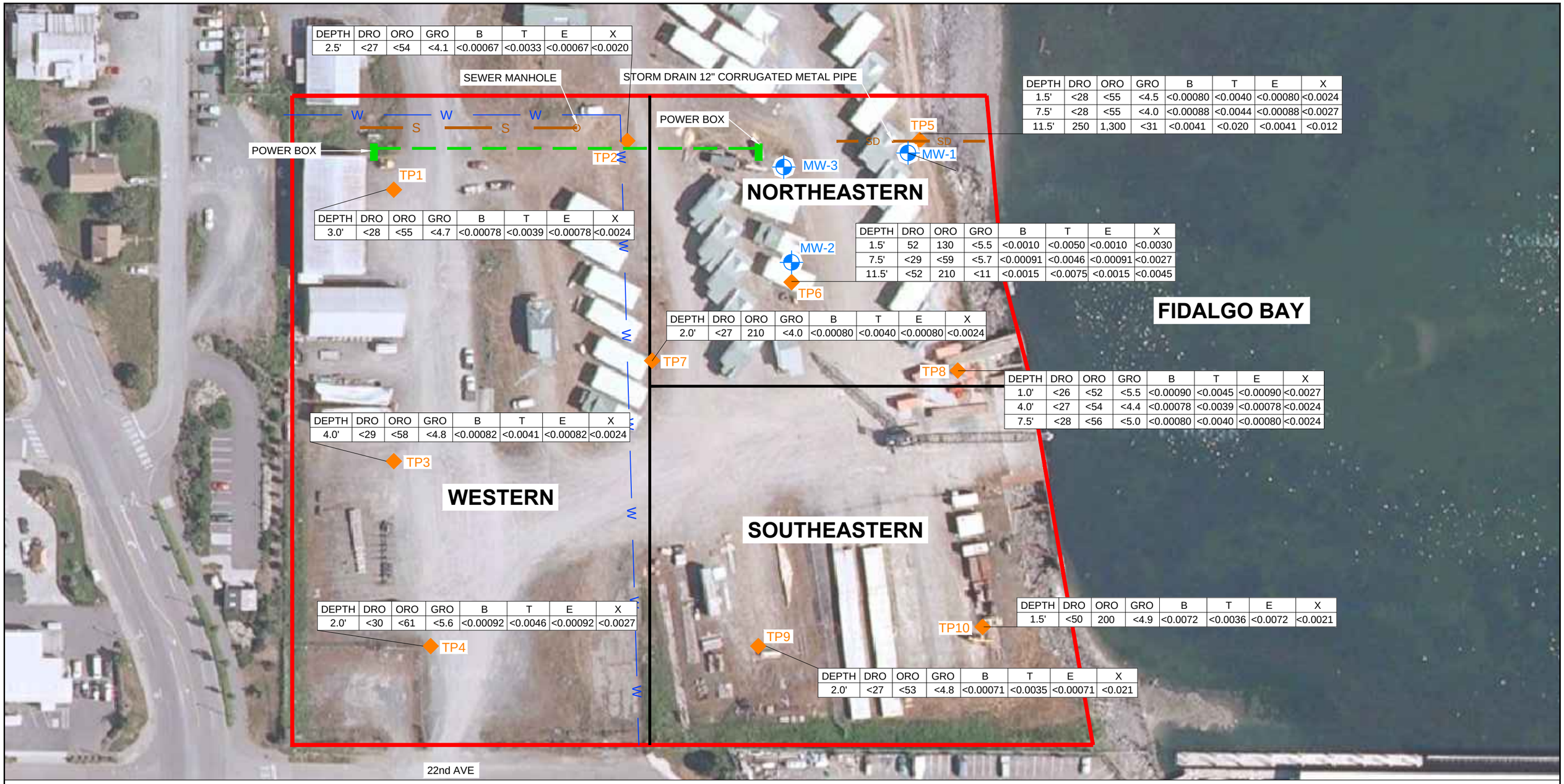
FIGURE 2

SITE PLAN AND
SOIL EXCAVATION AREAS
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW	Checked By: RC	Date: 10/29/13	Disk Reference: 299-001



DEPTH	DRO	ORO	GRO	B	T	E	X
2.5'	<27	<54	<4.1	<0.00067	<0.0033	<0.00067	<0.0020

DEPTH	DRO	ORO	GRO	B	T	E	X
3.0'	<28	<55	<4.7	<0.00078	<0.0039	<0.00078	<0.0024

DEPTH	DRO	ORO	GRO	B	T	E	X
4.0'	<29	<58	<4.8	<0.00082	<0.0041	<0.00082	<0.0024

DEPTH	DRO	ORO	GRO	B	T	E	X
2.0'	<30	<61	<5.6	<0.00092	<0.0046	<0.00092	<0.0027

DEPTH	DRO	ORO	GRO	B	T	E	X
1.5'	<28	<55	<4.5	<0.00080	<0.0040	<0.00080	<0.0024
7.5'	<28	<55	<4.0	<0.00088	<0.0044	<0.00088	<0.0027
11.5'	250	1,300	<31	<0.0041	<0.020	<0.0041	<0.012

DEPTH	DRO	ORO	GRO	B	T	E	X
1.5'	52	130	<5.5	<0.0010	<0.0050	<0.0010	<0.0030
7.5'	<29	<59	<5.7	<0.00091	<0.0046	<0.00091	<0.0027
11.5'	<52	210	<11	<0.0015	<0.0075	<0.0015	<0.0045

DEPTH	DRO	ORO	GRO	B	T	E	X
2.0'	<27	210	<4.0	<0.00080	<0.0040	<0.00080	<0.0024

DEPTH	DRO	ORO	GRO	B	T	E	X
1.0'	<26	<52	<5.5	<0.00090	<0.0045	<0.00090	<0.0027
4.0'	<27	<54	<4.4	<0.00078	<0.0039	<0.00078	<0.0024
7.5'	<28	<56	<5.0	<0.00080	<0.0040	<0.00080	<0.0024

DEPTH	DRO	ORO	GRO	B	T	E	X
1.5'	<50	200	<4.9	<0.0072	<0.0036	<0.0072	<0.0021

DEPTH	DRO	ORO	GRO	B	T	E	X
2.0'	<27	<53	<4.8	<0.00071	<0.0035	<0.00071	<0.021

LEGEND

- MJB NORTH DOCK AREA
- POWER LINE
- S — SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- BORING / TEST PIT LOCATION
- MONITORING WELL LOCATION

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
DRO = TPH AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = TOTAL XYLENES
< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

0 80
Scale in feet

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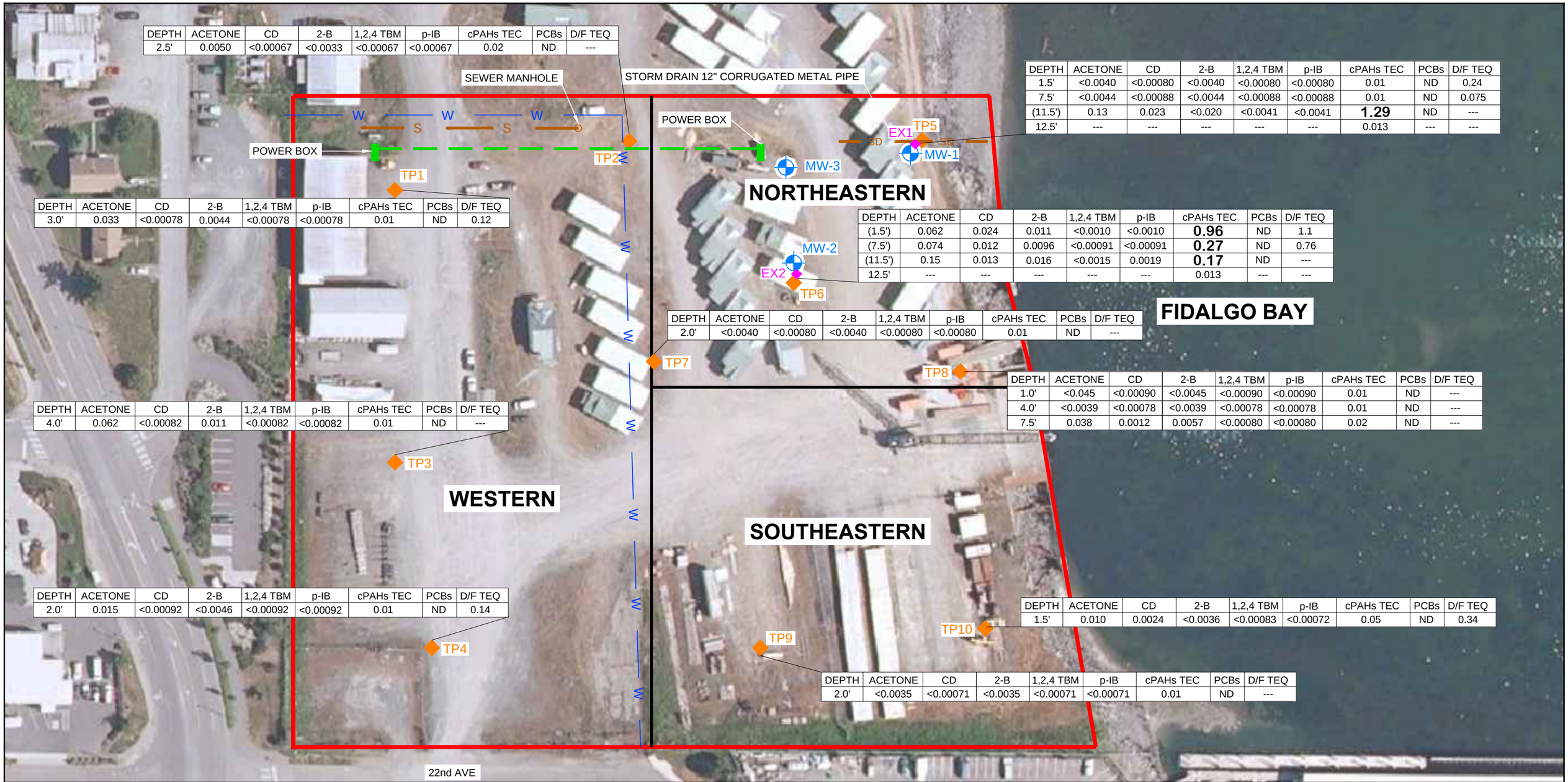
FIGURE 3

SITE PLAN SHOWING
SOIL ANALYTICAL RESULTS FOR
TOTAL PETROLEUM HYDROCARBONS
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW | Checked By: RC | Date: 10/29/13 | Disk Reference: 299001



DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
2.5'	0.0050	<0.00067	<0.0033	<0.00067	<0.00067	0.02	ND	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
1.5'	<0.0040	<0.00080	<0.0040	<0.00080	<0.00080	0.01	ND	0.24
7.5'	<0.0044	<0.00088	<0.0044	<0.00088	<0.00088	0.01	ND	0.075
(11.5')	0.13	0.023	<0.020	<0.0041	<0.0041	**1.29**	ND	---
12.5'	---	---	---	---	---	0.013	---	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
3.0'	0.033	<0.00078	0.0044	<0.00078	<0.00078	0.01	ND	0.12

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
(1.5')	0.062	0.024	0.011	<0.0010	<0.0010	**0.96**	ND	1.1
(7.5')	0.074	0.012	0.0096	<0.00091	<0.00091	**0.27**	ND	0.76
(11.5')	0.15	0.013	0.016	<0.0015	0.0019	**0.17**	ND	---
12.5'	---	---	---	---	---	0.013	---	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
2.0'	<0.0040	<0.00080	<0.0040	<0.00080	<0.00080	0.01	ND	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
1.0'	<0.045	<0.00090	<0.0045	<0.00090	<0.00090	0.01	ND	---
4.0'	<0.0039	<0.00078	<0.0039	<0.00078	<0.00078	0.01	ND	---
7.5'	0.038	0.0012	0.0057	<0.00080	<0.00080	0.02	ND	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
4.0'	0.062	<0.00082	0.011	<0.00082	<0.00082	0.01	ND	---

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
2.0'	0.015	<0.00092	<0.0046	<0.00092	<0.00092	0.01	ND	0.14

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
1.5'	0.010	0.0024	<0.0036	<0.00083	<0.00072	0.05	ND	0.34

DEPTH	ACETONE	CD	2-B	1,2,4 TBM	p-IB	cPAHs TEC	PCBs	D/F TEQ
2.0'	<0.0035	<0.00071	<0.0035	<0.00071	<0.00071	0.01	ND	---

MJB NORTH DOCK AREA
POWER LINE
S SEWER LINE
SD STORM DRAIN LINE
W WATER LINE
BORING / TEST PIT LOCATION
MONITORING WELL LOCATION
EX2 REMEDIAL EXCAVATION LOCATION

LEGEND

SOIL ANALYTICAL RESULTS FOR VOCs, SVOCs, AND PCBs ARE IN MILLIGRAMS PER KILOGRAM

SOIL ANALYTICAL RESULTS FOR D/F TEQ ARE IN NANOGRAM PER KILOGRAM

CD = CARBON DISULFIDE
cPAHs = CARCINOGENIC POLYNUCLEAR AROMATIC HYDROCARBONS
2-B = 2-BUTANONE
1,2,4 TBM = 1,2,4-TRIMETHYLBENZENE
p-IB = p-ISOPROPYLTOLUENE
D/F TEQ = DIOXIN FURAN TOXICITY EQUIVALENCY QUOTIENT
PCBs = POLYCHLORINATED BIPHENYLS
VOCs = VOLATILE ORGANIC COMPOUNDS

BOLD = INDICATES CONCENTRATIONS EXCEED SELECTED SCREENING LEVEL

< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

--- = NOT ANALYZED

ND = NOT DETECTED

(11.5') = INDICATES SOIL REPRESENTED AT THIS DEPTH HAS BEEN EXCAVATED AND DISPOSED OFF OF THE SITE (2013)

N

0 80
Scale in feet

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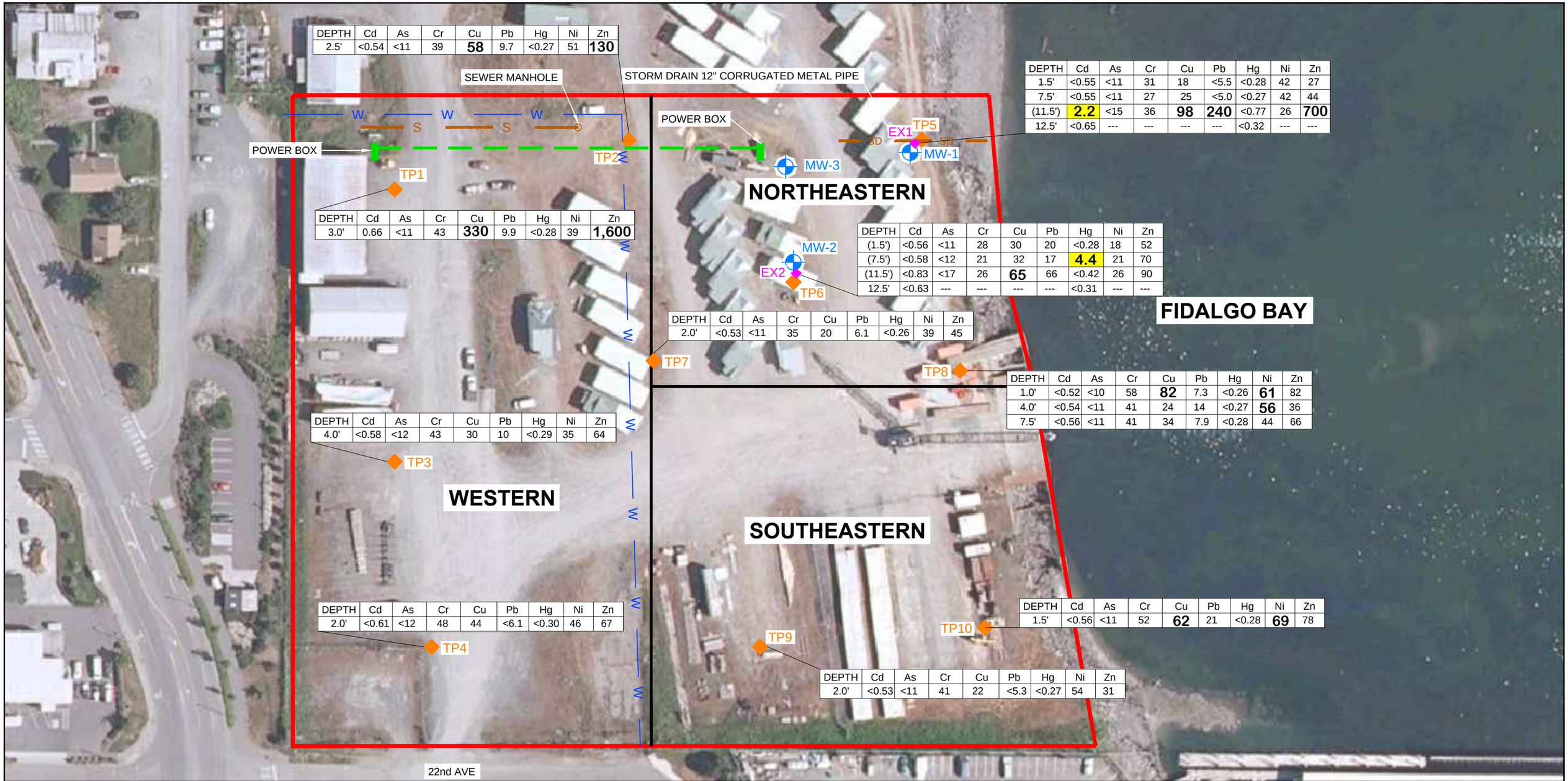
FIGURE 4

SITE PLAN SHOWING
SOIL ANALYTICAL RESUTLS FOR VOCs, SVOCs, cPAHs, PCBs, AND D/F TEQ
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW	Checked By: RC	Date: 10/29/13	Disk Reference: 299001



DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
2.5'	<0.54	<11	39	**58**	9.7	<0.27	51	**130**

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
3.0'	0.66	<11	43	**330**	9.9	<0.28	39	**1,600**

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
4.0'	<0.58	<12	43	30	10	<0.29	35	64

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
2.0'	<0.61	<12	48	44	<6.1	<0.30	46	67

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
1.5'	<0.55	<11	31	18	<5.5	<0.28	42	27
7.5'	<0.55	<11	27	25	<5.0	<0.27	42	44
(11.5')	**2.2**	<15	36	**98**	**240**	<0.77	26	**700**
12.5'	<0.65	---	---	---	---	<0.32	---	---

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
(1.5')	<0.56	<11	28	30	20	<0.28	18	52
(7.5')	<0.58	<12	21	32	17	**4.4**	21	70
(11.5')	<0.83	<17	26	**65**	66	<0.42	26	90
12.5'	<0.63	---	---	---	---	<0.31	---	---

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
2.0'	<0.53	<11	35	20	6.1	<0.26	39	45

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
1.0'	<0.52	<10	58	**82**	7.3	<0.26	**61**	82
4.0'	<0.54	<11	41	24	14	<0.27	**56**	36
7.5'	<0.56	<11	41	34	7.9	<0.28	44	66

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
1.5'	<0.56	<11	52	**62**	21	<0.28	**69**	78

DEPTH	Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
2.0'	<0.53	<11	41	22	<5.3	<0.27	54	31

LEGEND

MJB NORTH DOCK AREA
POWER LINE
S — SEWER LINE
SD — STORM DRAIN LINE
W — WATER LINE
BORING / TEST PIT LOCATION
MONITORING WELL LOCATION
EX2 — REMEDIAL EXCAVATION LOCATION

SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM

Cd = CADMIUM
As = ARSENIC
Cr = CHROMIUM
Cu = COPPER
Pb = LEAD
Hg = MERCURY
Ni = NICKEL
Zn = ZINC

BOLD = INDICATES CONCENTRATIONS EXCEED SELECTED SCREENING LEVEL

BOLD = INDICATES CONCENTRATION EXCEEDS APPLICABLE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) METHOD A CLEANUP LEVELS

< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

--- = NOT ANALYZED

ND = NOT DETECTED

(11.5') = INDICATES SOIL REPRESENTED AT THIS DEPTH HAS BEEN EXCAVATED AND DISPOSED OFF OF THE SITE (2013)

0 80
Scale in feet

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 5

SITE PLAN SHOWING
SOIL ANALYTICAL RESULTS FOR METALS
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW | Checked By: RC | Date: 10/29/13 | Disk Reference: 299001

DRO	ORO	GRO	B	T	E	X
<260	<410	<100	<0.20	<1.0	<0.20	<0.60

DRO	ORO	GRO	B	T	E	X
<260	<410	<100	<0.20	<1.0	<0.20	<0.60

DRO	ORO	GRO	B	T	E	X
<260	<410	<100	<0.20	<1.0	<0.20	<0.60

LEGEND

- MJB NORTH DOCK AREA
- POWER LINE
- S — SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- BORING / TEST PIT LOCATION
- MONITORING WELL LOCATION

GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
DRO = TPH AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS

B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = TOTAL XYLENES

< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

0 80
Scale in feet

N

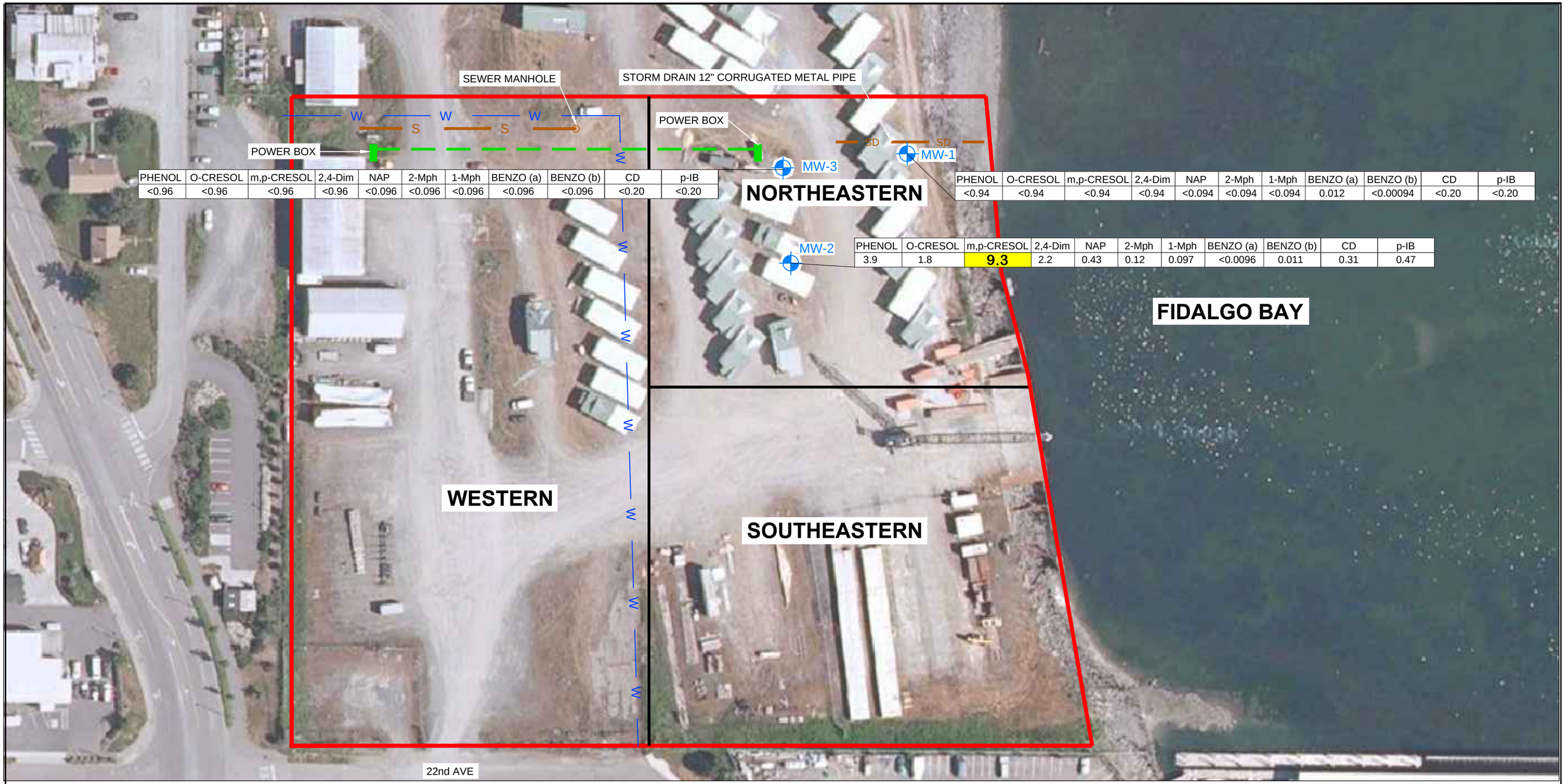
FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 6

SITE PLAN SHOWING
GROUNDWATER ANALYTICAL RESULTS FOR
TOTAL PETROLEUM HYDROCARBONS
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW	Checked By: EE	Date: 10/29/13	Disk Reference: 299001



PHENOL	O-CRESOL	m,p-CRESOL	2,4-Dim	NAP	2-Mph	1-Mph	BENZO (a)	BENZO (b)	CD	p-IB
<0.96	<0.96	<0.96	<0.96	<0.096	<0.096	<0.096	<0.096	<0.096	<0.20	<0.20

PHENOL	O-CRESOL	m,p-CRESOL	2,4-Dim	NAP	2-Mph	1-Mph	BENZO (a)	BENZO (b)	CD	p-IB
<0.94	<0.94	<0.94	<0.94	<0.094	<0.094	<0.094	0.012	<0.00094	<0.20	<0.20

PHENOL	O-CRESOL	m,p-CRESOL	2,4-Dim	NAP	2-Mph	1-Mph	BENZO (a)	BENZO (b)	CD	p-IB
3.9	1.8	**9.3**	2.2	0.43	0.12	0.097	<0.0096	0.011	0.31	0.47

LEGEND

- MJB NORTH DOCK AREA
- POWER LINE
- S — SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- BORING / TEST PIT LOCATION
- MONITORING WELL LOCATION

GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

O-CRESOL= 2-METHYLPHENOL (O-CRESOL)
m,p-CRESOL= (3+4)-METHYLPHENOL (M,P-CRESOL)
2,4-Dim = n-PROPYLBENZENE
NAP = NAPHTHALENE
2-MPH = 2-METHYLNAPHTHALENE
1-Mph = 1-METHYLNAPHTHALENE
BENZO (a) = BENZO(a)ANTHRACENE
BENZO (b) = BENZO(b)FLUORANTHENE
CD = CARBON DISULFIDE
p-IB = p-ISOPROPYLTOLUENE

BOLD = INDICATES CONCENTRATIONS EXCEED SELECTED SCREENING LEVEL

BOLD = INDICATES CONCENTRATION EXCEEDS APPLICABLE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) METHOD B CLEANUP LEVELS

PCBs = POLYCHLORINATED BIPHENYL
VOCs = VOLATILE ORGANIC COMPOUNDS
< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
--- = NOT ANALYZED

0 80
Scale in feet

N

FARALLON CONSULTING
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Issaquah, WA 98027

FIGURE 7

SITE PLAN SHOWING
GROUNDWATER ANALYTICAL RESULTS FOR
VOCs AND SVOCs
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By: DEW	Checked By: EE	Date: 10/29/13	Disk Reference: 299001

Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
<4.0	<3.0	<10	<10	<1.0	<0.50	<20	<25

Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
<4.0	<3.0	<10	<10	<1.0	<0.50	40	26

Cd	As	Cr	Cu	Pb	Hg	Ni	Zn
<4.0	<3.0	<10	<10	9.5	<0.50	<20	<25

LEGEND

- MJB NORTH DOCK AREA
- POWER LINE
- S — SEWER LINE
- SD — STORM DRAIN LINE
- W — WATER LINE
- BORING / TEST PIT LOCATION
- MONITORING WELL LOCATION

GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER

Cd = CADMIUM
As = ARSENIC
Cr = CHROMIUM
Cu = COPPER
Pb = LEAD
Hg = MERCURY
Ni = NICKEL
Zn = ZINC
< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

0 80
Scale in feet

N

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 8

SITE PLAN SHOWING
GROUNDWATER ANALYTICAL RESULTS FOR METALS
MJB NORTH DOCK AREA
ANACORTES, WASHINGTON

FARALLON PN: 299-001

Drawn By:DEW | Checked By:EE | Date:10/29/13 | Disk Reference:299001

TABLES

CLOSURE REPORT
MJB North Dock Area
Anacortes, Washington

Farallon PN: 299-001

Table 1
Summary of Soil Analytical Results - Total Petroleum Hydrocarbons
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Xylenes[4]
TP1	TP1-103111-3.0	Farallon	10/31/2011	3.0	<28	<55	<4.7	<0.00078	<0.0039	<0.00078	<0.0024
TP2	TP2-103111-2.5	Farallon	10/31/2011	2.5	<27	<54	<4.1	<0.00067	<0.0033	<0.00067	<0.0020
TP3	TP3-103111-4.0	Farallon	10/31/2011	4.0	<29	<58	<4.8	<0.00082	<0.0041	<0.00082	<0.0024
TP4	TP4-103111-2.0	Farallon	10/31/2011	2.0	<30	<61	<5.6	<0.00092	<0.0046	<0.00092	<0.0027
TP5	TP5-103111-1.5	Farallon	10/31/2011	1.5	<28	<55	<4.5	<0.00080	<0.0040	<0.00080	<0.0024
TP5	TP5-103111-7.5	Farallon	10/31/2011	7.5	<28	<55	<4.0	<0.00088	<0.0044	<0.00088	<0.0027
TP5	TP5-103111-11.5	Farallon	10/31/2011	11.5	250	1,300	<31	<0.0041	<0.020	<0.0041	<0.012
TP6	TP6-103111-1.5	Farallon	10/31/2011	1.5	52	130	<5.5	<0.0010	<0.0050	<0.0010	<0.0030
TP6	TP6-103111-7.5	Farallon	10/31/2011	7.5	<29	<59	<5.7	<0.00091	<0.0046	<0.00091	<0.0027
TP6	TP6-103111-11.5	Farallon	10/31/2011	11.5	<52	210	<11	<0.0015	<0.0075	<0.0015	<0.0045
TP7	TP7-103111-2.0	Farallon	10/31/2011	2.0	<27	210	<4.0	<0.00080	<0.0040	<0.00080	<0.0024
TP8	TP8-103111-1.0	Farallon	10/31/2011	1.0	<26	<52	<5.5	<0.00090	<0.0045	<0.00090	<0.0027
TP8	TP8-103111-4.0	Farallon	10/31/2011	4.0	<27	<54	<4.4	<0.00078	<0.0039	<0.00078	<0.0024
TP8	TP8-103111-7.5	Farallon	10/31/2011	7.5	<28	<56	<5.0	<0.00080	<0.0040	<0.00080	<0.0024
TP9	TP9-103111-2.0	Farallon	10/31/2011	2.0	<27	<53	<4.8	<0.00071	<0.0035	<0.00071	<0.021
TP10	TP10-103111-1.5	Farallon	10/31/2011	1.5	<50	200	<4.9	<0.0072	<0.0036	<0.0072	<0.0021
MTCA Method A Cleanup Levels for Soil[5]					**2,000**	**2,000**	**100/30[6]**	**0.03**	**7**	**6**	**9**

NOTES:

Results in **bold** denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the laboratory reporting limit listed.

— denotes sample was not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency Method 8260B.

[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

[6]Cleanup level when benzene is present.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

Table 2
Summary of Soil Analytical Results - Volatile Organic Compounds
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Boring Location	Sample Identification	Sampled By	Sample Date	Depth (feet)[1]	Analytical Results (milligrams per kilogram)[2]				
					Acetone	Carbon Disulfide	2-Butanone	1,2,4-Trimethylbenzene	p-Isopropyltoluene
TP1	TP1-103111-3.0	Farallon	10/31/2011	3.0	0.033	<0.00078	0.0044	<0.00078	<0.00078
TP2	TP2-103111-2.5	Farallon	10/31/2011	2.5	0.0050	<0.00067	<0.0033	<0.00067	<0.00067
TP3	TP3-103111-4.0	Farallon	10/31/2011	4.0	0.062	<0.00082	0.011	<0.00082	<0.00082
TP4	TP4-103111-2.0	Farallon	10/31/2011	2.0	0.015	<0.00092	<0.0046	<0.00092	<0.00092
TP5	TP5-103111-1.5	Farallon	10/31/2011	1.5	<0.0040	<0.00080	<0.0040	<0.00080	<0.00080
TP5	TP5-103111-7.5	Farallon	10/31/2011	7.5	<0.0044	<0.00088	<0.0044	<0.00088	<0.00088
TP5	TP5-1031111-11.5	Farallon	10/31/2011	11.5	0.13	0.023	<0.020	<0.0041	<0.0041
TP6	TP6-103111-1.5	Farallon	10/31/2011	1.5	0.062	0.024	0.011	<0.0010	<0.0010
TP6	TP6-103111-7.5	Farallon	10/31/2011	7.5	0.074	0.012	0.0096	<0.00091	<0.00091
TP6	TP6-103111-11.5	Farallon	10/31/2011	11.5	0.15	0.013	0.016	<0.0015	0.0019
TP7	TP7-103111-2.0	Farallon	10/31/2011	2.0	<0.0040	<0.00080	<0.0040	<0.00080	<0.00080
TP8	TP8-103111-1.0	Farallon	10/31/2011	1.0	<0.0045	<0.00090	<0.0045	<0.00090	<0.00090
TP8	TP8-103111-4.0	Farallon	10/31/2011	4.0	<0.0039	<0.00078	<0.0039	<0.00078	<0.00078
TP8	TP8-103111-7.5	Farallon	10/31/2011	7.5	0.038	0.0012	0.0057	<0.00080	<0.00080
TP9	TP9-103111-2.0	Farallon	10/31/2011	2.0	<0.0035	<0.00071	<0.0035	<0.00071	<0.00071
TP10	TP10-103111-1.5	Farallon	10/31/2011	1.5	0.010	0.0024	<0.0036	0.00083	<0.00072
MTCA Cleanup Levels for Soil					**NE**	**NE**	**NE**	**NE**	**NE**

NOTES:

< denotes analyte not detected at or above the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260B.

Farallon = Farallon Consulting, L.L.C.

MTCA = Washington State Model Toxics Control Act

NE = not established

Table 3
Summary of Soil Analytical Results - Semivolatile Organic Compounds
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Sample Location	Sample Identification	Sample Date	Sample Depth (feet)[1]	Analytical Results (milligrams per kilogram)[2,3]																				
				Naphthalene	2-Methylnaphthalene	1-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Carbazole	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl) phthalate	Benzo(b)fluoranthene	Benzo(j,k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	Total cPAHs TEC[4]
TP1	TP1-103111-3.0	10/31/2011	3.0	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.037	<0.0073	<0.0073	<0.0073	<0.037	<0.0073	<0.0073	<0.0073	<0.0073	1.5	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	0.01
TP2	TP2-103111-2.5	10/31/2011	2.5	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.036	<0.0071	0.012	<0.0071	<0.036	0.036	0.024	0.016	0.015	<0.18	0.010	0.010	0.015	0.0086	<0.0071	0.0085	0.02
TP3	TP3-103111-4.0	10/31/2011	4.0	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.038	<0.0077	0.0095	<0.0077	<0.038	0.013	0.013	0.0091	0.0080	<0.19	<0.0077	<0.0077	0.0081	<0.0077	<0.0077	<0.0077	0.01
TP4	TP4-103111-2.0	10/31/2011	2.0	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.040	<0.0081	<0.0081	<0.0081	<0.040	<0.0081	<0.0081	<0.0081	<0.0081	<0.20	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	<0.0081	0.01
TP5	TP5-103111-1.5	10/31/2011	1.5	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	<0.037	<0.0074	<0.0074	<0.0074	<0.037	<0.0074	<0.0074	<0.0074	<0.0074	<0.18	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	0.01
TP5	TP5-103111-7.5	10/31/2011	7.5	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.037	<0.0073	<0.0073	<0.0073	<0.037	<0.0073	<0.0073	<0.0073	<0.0073	<0.18	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	<0.0073	0.01
TP5	TP5-103111-11.5	10/31/2011	11.5	0.25	0.10	0.11	0.25	0.088	<0.10	0.18	1.5	0.32	0.12	2.0	2.1	0.84	1.2	<0.52	0.82	0.74	0.97	0.55	0.14	0.62	**1.29**
TP6	TP6-103111-1.5	10/31/2011	1.5	0.066	0.020	0.028	0.13	0.071	0.043	0.14	0.95	0.26	0.045	1.6	1.7	0.65	0.70	<0.19	0.53	0.54	0.73	0.38	0.11	0.41	**0.96**
TP6	TP6-103111-7.5	10/31/2011	7.5	0.015	<0.0078	0.0085	0.043	0.028	<0.039	0.032	0.30	0.072	<0.039	0.54	0.47	0.17	0.24	<0.19	0.14	0.20	0.20	0.13	0.031	0.14	**0.27**
TP6	TP6-103111-11.5	10/31/2011	11.5	<0.011	<0.011	<0.011	0.033	<0.011	<0.056	<0.011	0.11	0.036	<0.056	0.25	0.22	0.11	0.12	<0.28	0.072	0.085	0.13	0.075	0.018	0.082	**0.17**
TP7	TP7-103111-2.0	10/31/2011	2.0	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.035	<0.0071	0.012	<0.0071	<0.035	0.017	0.019	0.011	0.011	<0.18	0.0076	0.0075	0.011	<0.0071	<0.0071	<0.0071	0.01
TP8	TP8-103111-1.0	10/31/2011	1.0	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.035	<0.0069	<0.0069	<0.0069	<0.035	<0.0069	<0.0069	<0.0069	<0.0069	<0.17	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	0.01
TP8	TP8-103111-4.0	10/31/2011	4.0	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.036	<0.0072	0.0097	<0.0072	<0.036	0.0096	0.010	<0.0072	<0.0072	<0.18	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	<0.0072	0.01
TP8	TP8-103111-7.5	10/31/2011	7.5	0.0091	<0.0075	<0.0075	<0.0075	<0.0075	<0.037	<0.0075	0.017	<0.0075	<0.037	0.040	0.023	0.011	0.018	<0.19	0.012	0.010	0.012	0.0077	<0.0075	0.0091	0.02
TP9	TP9-103111-2.0	10/31/2011	2.0	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.035	<0.0071	0.013	<0.0071	<0.035	0.016	0.012	<0.0071	0.0079	0.19	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	0.01
TP10	TP10-103111-1.5	10/31/2011	1.5	<0.0074	<0.0074	<0.0074	<0.0074	<0.0074	<0.037	<0.0074	0.051	0.012	<0.037	0.057	0.070	0.028	0.032	<0.19	0.024	0.022	0.042	0.019	<0.0074	0.023	0.05
EX1	EX1-12.5	7/9/2013	12.5	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	0.013
EX2	EX2-12.5	7/9/2013	12.5	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	0.013
Selected Screening Level																									**0.14**
MTCA Method A, Industrial Land Use Cleanup Level for Soil [5]																									**2**
MTCA Method A, Unrestricted Land Use Cleanup Level for Soil [5]																									**0.1**
MTCA Method B, Unrestricted Land Use Cleanup Level for Soil [6]																									**0.14**
MTCA Method C, Unrestricted Land Use Cleanup Level for Soil [7]																									**0.18**

NOTES:

Results in **bold** denote concentrations above preliminary screening level.

< denotes analyte not detected at or above the reporting limit listed.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

TEC = toxic equivalent concentration

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM

[3]Analytical results shown are limited to analytes with concentrations detected above the associated laboratory practical quantitation limits.

[4]Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[5]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

[6]Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[7]Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA Standard Method C Formula Values for Soil (Industrial Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 4
Summary of Soil Analytical Results - Metals
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-002

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram) [2]							
					Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
TP1	TP1-103111-3.0	Farallon	10/31/2011	3.0	<11	0.66	43	**330**	9.9	<0.28	39	**1,600**
TP2	TP2-103111-2.5	Farallon	10/31/2011	2.5	<11	<0.54	39	**58**	9.7	<0.27	51	**130**
TP3	TP3-103111-4.0	Farallon	10/31/2011	4.0	<12	<0.58	43	30	10	<0.29	35	64
TP4	TP4-103111-2.0	Farallon	10/31/2011	2.0	<12	<0.61	48	44	<6.1	<0.30	46	67
TP5	TP5-103111-1.5	Farallon	10/31/2011	1.5	<11	<0.55	31	18	<5.5	<0.28	42	27
TP5	TP5-103111-7.5	Farallon	10/31/2011	7.5	<11	<0.55	27	25	<5.5	<0.27	42	44
TP5	TP5-103111-11.5	Farallon	10/31/2011	11.5	<15	**2.2**	36	**98**	240	<0.77	26	**700**
TP6	TP6-103111-1.5	Farallon	10/31/2011	1.5	<11	<0.56	28	30	20	<0.28	18	52
TP6	TP6-103111-7.5	Farallon	10/31/2011	7.5	<12	<0.58	21	32	17	**4.4**	21	70
TP6	TP6-103111-11.5	Farallon	10/31/2011	11.5	<17	<0.83	26	**65**	66	<0.42	26	90
TP7	TP7-103111-2.0	Farallon	10/31/2011	2.0	<11	<0.53	35	20	6.1	<0.26	39	45
TP8	TP8-103111-1.0	Farallon	10/31/2011	1.0	<10	<0.52	58	**82**	7.3	<0.26	**61**	82
TP8	TP8-103111-4.0	Farallon	10/31/2011	4.0	<11	<0.54	41	24	14	<0.27	**56**	36
TP8	TP8-103111-7.5	Farallon	10/31/2011	7.5	<11	<0.56	41	34	7.9	<0.28	44	66
TP9	TP9-103111-2.0	Farallon	10/31/2011	2.0	<11	<0.53	41	22	<5.3	<0.27	54	31
TP10	TP10-103111-1.5	Farallon	10/31/2011	1.5	<11	<0.56	52	**62**	21	<0.28	**69**	78
EX1	EX1-12.5	Farallon	7/9/2013	12.5	--	<0.65	--	--	--	<0.32	--	--
EX2	EX2-12.5	Farallon	7/9/2013	12.5	--	<0.63	--	--	--	<0.31	--	--
Selected Screening Level					**13**	**1.21**	**117**[7]	**52.9**[7]	**220**	**0.13**[7]	**54.2**[7]	**101**
MTCA Method A Cleanup Levels for Soil [3]					**20**	**2**	**2,000**	**3,000**	**250**	**2**	**1,600**	**24,000**
MTCA Method B Cleanup Levels for Soil [4]					**24**	**80**	**NE**	**3,000**	**NE**	**24**	**1,600**	**24,000**
MTCA Method B Protective of Groundwater as Marine Surface Water[5]					**0.08**	**1.21**	**NE**	**1.07**	**1.620**	**0.03**	**10.7**	**101**
MTCA Method B Protective of Terrestrial Ecological Receptors[6]					**20**	**25**	**42**	**100**	**220**	**9**	**100**	**270**
Area Background					**8.47**	**1.2**	**117**	**NE**	**NE**	**0.13**	**54.2**	**85.6**

NOTES:

Results in **bold** denote concentrations above preliminary screening level.

Results highlighted in yellow denote that sample results exceed applicable Washington State Model Toxics Control Act Cleanup Regulation Method A cleanup levels for Soil.

< denotes analyte not detected at or above the laboratory reporting limit listed.

Farallon = Farallon Consulting, L.L.C.

NE = not established

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010B/7471A.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

[4]Washington State Department of Ecology Cleanup levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only). Carcinogen values used where established.

[5]Calculated using fixed parameter three-phase partitioning model Washington Administrative Code (WAC) 173-340-747(4).

[6]Concentrations based on simplified ecological terrestrial evaluation in WAC 173-340-7492; concentrations listed in Table 749-2 (unrestricted land use values).

[7]The screening level of some metals is adjusted for regional background concentrations within Skagit/Whatcom Counties or western Washington as reported by the Washington State Department of Ecology.

Table 5
Summary of Soil Analytical Results - Polychlorinated Biphenyls
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram)[2]						
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
TP1	TP1-103111-3.0	Farallon	10/31/2011	3.0	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055
TP2	TP2-103111-2.5	Farallon	10/31/2011	2.5	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
TP3	TP3-103111-4.0	Farallon	10/31/2011	4.0	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058
TP4	TP4-103111-2.0	Farallon	10/31/2011	2.0	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061
TP5	TP5-103111-1.5	Farallon	10/31/2011	1.5	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055
TP5	TP5-103111-7.5	Farallon	10/31/2011	7.5	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055	<0.055
TP5	TP5-103111-11.5	Farallon	10/31/2011	11.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
TP6	TP6-103111-1.5	Farallon	10/31/2011	1.5	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056
TP6	TP6-103111-7.5	Farallon	10/31/2011	7.5	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058
TP6	TP6-103111-11.5	Farallon	10/31/2011	11.5	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
TP7	TP7-103111-2.0	Farallon	10/31/2011	2.0	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053
TP8	TP8-103111-1.0	Farallon	10/31/2011	1.0	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052
TP8	TP8-1031111-4.0	Farallon	10/31/2011	4.0	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054
TP8	TP8-103111-7.5	Farallon	10/31/2011	7.5	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056
TP9	TP9-103111-2.0	Farallon	10/31/2011	2.0	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053
TP10	TP10-103111-1.5	Farallon	10/31/2011	1.5	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056
Selected Screening Level					**5.6**	**NE**	**NE**	**NE**	**NE**	**0.5**	**0.5**
MTCA Method A Cleanup Levels for Soil [3]					**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
MTCA Method B Cleanup Levels for Soil [4]					**5.6**	**NE**	**NE**	**NE**	**NE**	**0.5**	**0.5**

NOTES:

< denotes analyte not detected at or above the reporting limit listed.

Farallon = Farallon Consulting, L.L.C.

[1]Depth in feet below ground surface.

NE = not established.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082.

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

[4]Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 6
Summary of Soil Analytical Results - Dioxins and Furans
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet)[1]	Analytical Results (ng/kg) [2] TEQ[3]
TP1	TP1-103111-3.0	Farallon	10/31/2011	3.0	0.12
TP4	TP4-103111-2.0	Farallon	10/31/2011	2.0	0.14
TP5	TP5-103111-1.5	Farallon	10/31/2011	1.5	0.24
TP5	TP5-103111-7.5	Farallon	10/31/2011	7.5	0.075
TP6	TP6-103111-1.5	Farallon	10/31/2011	1.5	1.1
TP6	TP6-103111-7.5	Farallon	10/31/2011	7.5	0.76
TP10	TP10-103111-1.5	Farallon	10/31/2011	1.5	0.34
Screening Level for Total Dioxins/Furans-Human Health					**11**
Screening Level for Total Dioxins-Ecological[4]					**5**
Screening Level for Total Furans- Ecological[4]					**3.0**
Screening Level for Total Dioxins/Furans-Industrial					**1,460**

NOTES:

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8290.

[3]Per MTCA (WAC 173-340-708[8][D]), 7 chlorinated dibenzo-p-dioxins (CDDs) and 10 chlorinated dibenzofuran cogeners (CDFs) were tested to enable calculation of a toxicity equivalency quotient (TEQ) concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin. The reference chemical was 2,3,7,8‑tetrachlorodibenzo-p-dioxin because it is the most toxic and best studied of the 210 CDDs and CDFs. Toxicity Equivalent Quotient based on Vanden Berg et al. 2006. *The 2005 World Health Organization Re-evaluation of Human and Mammalian Toxic Equivalency Factors For Dioxins/ and Dioxin-like compounds.*

[4]Concentration based on simplified terrestrial ecological evaluation in WAC 173-340-7492 concentrations listed in Table 749-2 (unrestricted land use values).

Farallon = Farallon Consulting, L.L.C.
ng/kg = nanograms per kilogram
TEQ = Toxicity Equivalency Quotient

Table 7
Summary of Groundwater Analytical Results - Total Petroleum Hydrocarbons
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Monitoring Well	Sample Identification	Sampled By	Sample Date	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Xylenes[3]
MW-1	MW-1-112811	Farallon	11/28/2011	<260	<410	<100	<0.20	<1.0	<0.20	<0.60
MW-2	MW-2-112811	Farallon	11/28/2011	<260	<410	<100	<0.20	<1.0	<0.20	<0.60
MW-3	MW-3-112811	Farallon	11/28/2011	<260	<410	<100	<0.20	<1.0	<0.20	<0.60
MTCA Method A Cleanup Levels for Groundwater[4]				**500**	**500**	**1,000**	**5**	**1,000**	**700**	**1,000**

NOTES:

< denotes analyte not detected at or above the reporting limit listed.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8260B.

[4]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

Table 8
Summary of Groundwater Analytical Results - Volatile Organic Compounds
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Monitoring Well	Sample Identification	Sample Date	Analytical Results (micrograms per liter)[1]	
			Carbon Disulfide	p-Isopropyltoluene
MW-1	MW-1-112811	11/28/2011	<0.20	<0.20
MW-2	MW-2-112811	11/28/2011	0.31	0.47
MW-3	MW-3-112811	11/28/2011	<0.20	<0.20
MTCA Method A Cleanup Levels for Groundwater [2]			**NE**	**NE**
MTCA Method B (carcinogen) Cleanup Levels for Groundwater[3]			**NE**	**NE**
MTCA Method B (non-carcinogen) Cleanup Levels for Groundwater[3]			**800**	**-**

NOTES:

< denotes analyte not detected at or above the reporting limit listed.

MTCA = Washington State Model Toxics Control Act Cleanup Regulation

NE = not established

[1]Analyzed by U.S. Environmental Protection Agency Method 8260B.

[2]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 9
Summary of Groundwater Analytical Results - Semivolatile Organic Compounds
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Monitoring Well	Sample Identification	Sample Date	Analytical Results (micrograms per liter)[1]								
			Phenol	2-Methylphenol (O-Cresol)	(3+4)-Methylphenol (m,p-Cresol)	2,4-Dimethylphenol	Naphthalene	2-Methylnaphthalene	1-Methylnaphthalene	Benzo(a)anthracene	Benzo(b)fluoranthene
MW-1	MW-1-112811	11/28/2011	<0.94	<0.94	<0.94	<0.94	<0.094	<0.094	<0.094	0.012	<0.0094
MW-2	MW-2-112811	11/28/2011	3.9	1.8	**9.3**	2.2	0.43	0.12	0.097	<0.0096	0.011
MW-3	MW-3-112811	11/28/2011	<0.96	<0.96	<0.96	<0.96	<0.096	<0.096	<0.096	<0.0096	<0.0096
MTCA Method A Cleanup Levels for Groundwater [2]			**NE**	**NE**	**NE**	**NE**	**160**	**NE**	**NE**	**NE**	**NE**
MTCA Method B (carcinogen) Cleanup Levels for Groundwater[3]			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**1.5**	**0.12**	**0.12**
MTCA Method B (non-carcinogen) Cleanup Levels for Groundwater[3]			**2,400**	**NE**	**8**	**160**	**160**	**32**	**NE**	**NE**	**NE**

NOTES:

< denotes analyte not detected at or above the reporting limit listed.

Results highlighted in yellow denote that sample results exceed applicable Washington State Model Toxics Control Act Cleanup Regulation Method A cleanup levels for groundwater.

EX1 = MW-1 excavation

EX2 = MW-2 excavation

NE = not established.

[1]Analyzed by U.S. Environmental Protection Agency Method 8260B.

[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 10
Summary of Groundwater Analytical Results - Metals
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Monitoring Well	Sample Identification	Sampled By	Sample Date	Analytical Results (micrograms per liter) [1]							
				Cadmium	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Zinc
MW-1	MW-1-112811	Farallon	11/28/11	<4.0	<3.0	<10	<10	<1.0	<0.50	40	26
MW-2	MW-2-112811	Farallon	11/28/11	<4.0	<3.0	<10	<10	9.5	<0.50	<20	<25
MW-3	MW-3-112811	Farallon	11/28/11	<4.0	<3.0	<10	<10	<1.0	<0.50	<20	<25
MTCA Method A Cleanup Levels for Groundwater [2]				**5**	**5**	**50**	**NE**	**15**	**2**	**NE**	**NE**

NOTES:

Results in **bold** denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the laboratory reporting limit listed.

Farallon = Farallon Consulting, L.L.C.

NE = not established.

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8/7470A

[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

Table 11
Excavation Confirmation Soil Sample Analytical Results - Semivolatile Organic Compounds
MJB North Dock Area
Anacortes, Washington
PN: 299-001

Sample Location	Sample Identification	Sample Date	Sample Depth (feet)[1]	Analytical Results (milligrams per kilogram)[2]																				
				Naphthalene	2-Methylhaphthalene	1-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran	Fluorene	Phenanthrene	Anthracene	Carbazole	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	bis(2-Ethylhexyl) phthalate	Benzo(b)fluoranthene	Benzo(j,k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	Total cPAHs TEC[3]
EX1	EX1-12.5	7/9/2013	12.5	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.0087	<0.043	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	0.013
EX2	EX2-12.5	7/9/2013	12.5	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.0084	<0.042	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	<0.0084	0.013
Selected Screening Level																								**0.14**
MTCA Method A, Industrial Land Use Cleanup Level for Soil [4]																								**2**
MTCA Method A, Unrestricted Land Use Cleanup Level for Soil [4]																								**0.1**
MTCA Method B, Unrestricted Land Use Cleanup Level for Soil [5]																								**0.14**
MTCA Method C, Unrestricted Land Use Cleanup Level for Soil [6]																								**0.18**

NOTES:

Results in **bold** denote concentrations above preliminary screening level.

< denotes analyte not detected at or above the reporting limit listed.

cPAHs = carcinogenic polycyclic aromatic hydrocarbons

TEC = toxic equivalent concentration

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270D/SIM

[3]Total carcinogenic polycyclic aromatic hydrocarbons derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

[5]Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

[6]Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA Standard Method C Formula Values for Soil (Industrial Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Table 12
Excavation Confirmation Soil Sample Analytical Results - Total Metals
MJB North Dock Area
Anacortes, Washington
PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram) [2]	
					Cadmium	Mercury
EX1	EX1-12.5	Farallon	7/9/2013	12.5	<0.65	<0.32
EX2	EX2-12.5	Farallon	7/9/2013	12.5	<0.63	<0.31
Selected Screening Level					**1.21**	**0.13[7]**
MTCA Method A Cleanup Levels for Soil [3]					**2**	**2**
MTCA Method B Cleanup Levels for Soil [4]					**80**	**24**
MTCA Method B Protective of Terrestrial Ecological Receptors[6]					**25**	**9**
Area Background					**1.2**	**0.13**

NOTES:

Results in **bold** denote concentrations above preliminary screening level.

Results highlighted in yellow denote that sample results exceed applicable Washington State Model Toxics Control Act Cleanup Regulation Method A cleanup levels for Soil.

< denotes analyte not detected at or above the laboratory reporting limit listed.

Farallon = Farallon Consulting, L.L.C.

NE = not established

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010C/7471B (RCRA 8).

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

[4]Washington State Department of Ecology Cleanup levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only). Carcinogen values used where established.

[5]Calculated using fixed parameter three-phase partitioning model Washington Administrative Code (WAC) 173-340-747(4).

[6]Concentrations based on simplified ecological terrestrial evaluation in WAC 173-340-7492; concentrations listed in Table 749-2 (unrestricted land use values).

[7]The screening level of some metals is adjusted for regional background concentrations within Skagit/Whatcom Counties or western Washington as reported by the Washington State Department of Ecology.

Table 13
Summary of Soil Stockpile Analytical Results - Total RCRA 8 Metals
MJB North Dock Area
Anacortes, Washington
Farallon PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram) [2]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Stockpile SP1	SP1-070913	Farallon	7/9/2013	0.5	<0.13	87	<0.65	46	12	<0.33	<13	<1.3
Selected Screening Level					**13**		**1.21**	**117[7]**	**220**	**0.13[7]**	<0.40	<0.040
MTCA Method A Cleanup Levels for Soil [3]					**20**	**NE**	**2**	**2,000**	**250**	**2**	**NE**	**NE**
MTCA Method B Cleanup Levels for Soil [4]					**24**	**16,000**	**80**	**NE**	**NE**	**24**	**400**	**400**
MTCA Method B Protective of Terrestrial Ecological Receptors[6]					**20**	**1,250**	**25**	**42**	**220**	**9**	**0.8**	**NE**
Area Background					**8.47**	**NE**	**1.2**	**117**	**NE**	**0.13**	**NE**	**NE**

NOTES:

Results in **bold** denote concentrations above preliminary screening level.

Results highlighted in yellow denote that sample results exceed applicable Washington State Model Toxics Control Act Cleanup Regulation Method A cleanup levels for soil.

< denotes analyte not detected at or above the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 6010B/7471A (RCRA 8).

[3]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

[4]Washington State Department of Ecology Cleanup levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only). Carcinogen values used where established.

[5]Calculated using fixed parameter three-phase partitioning model Washington Administrative Code (WAC) 173-340-747(4).

[6]Concentrations based on simplified ecological terrestrial evaluation in WAC 173-340-7492; concentrations listed in Table 749-2 (unrestricted land use values).

[7]The screening level of some metals is adjusted for regional background concentrations within Skagit/Whatcom Counties or western Washington as reported by the Washington State Department of Ecology.

Farallon = Farallon Consulting, L.L.C.

NE = not established

RCRA = Resource Conservation and Recovery Act

Table 14
Summary of Soil Stockpile Analytical Results - TCLP RCRA 8 Metals
MJB North Dock Area
Anacortes, Washington
PN: 299-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per liter) [2]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Stockpile SP1	SP1-070913	Farallon	07/09/13	0.5	<0.40	0.24	<0.020	<0.020	<0.20	<0.0050	<0.40	<0.040
Maximum Concentration of Contaminants for the Toxicity Characteristic [3]					**5.0**	**100**	**1.0**	**5.0**	**5.0**	**0.2**	**1.0**	**5.0**

NOTES:

Results in **bold** denote concentrations above screening level.

< denotes analyte not detected at or above the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 1311/6010C (RCRA 8).

[3]40 CFR §261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic

Farallon = Farallon Consulting, L.L.C.

RCRA = Resource Conservation and Recovery Act

TCLP = Toxicity Characteristic Leaching Procedure

ATTACHMENT A
WASTE DISPOSAL DOCUMENTATION

CLOSURE REPORT
MJB North Dock Area
Anacortes, Washington

Farallon PN: 299-001

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
01105 - 0024
Gary Merlino
2301 T Ave., Anacortes
Seattle, WA 98275
Contract: LW-13295

SITE	TICKET 937	GRID
DL00024 DRINDA SCALE OPERATOR		
DATE IN August 2013	1 TIME IN pm	
DATE OUT August 2013	TIME OUT pm	
VEHICLE		ROLL OFF
REFERENCE	ORIGIN ANACORTES/SKAG	

00 Gross Weight 85,780.00 lb 12170
Tare Weight 42,840.00 lb
Net Weight 42,940.00 lb 21.47 TN

QTY 21.47	TN UNIT	SW-CONT SCL DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
		Mani Feed				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

AFETY MEMOS:
Hard hats MUST be worn.
High Visibility vests MUST be worn.
Passengers MUST remain in vehicle at all times.

SIGNATURE

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
011105 - 0026
Gary Merlino
2801 T Ave., Anacortes
Seattle, WA 999999
Contract: LW-13295

SITE	TICKET	GRID
01	661458	

SCALE OPERATOR: DL00026 DETNDA L

DATE IN	TIME IN
19 August 2013	2:15 pm
DATE OUT	**TIME OUT**
19 August 2013	2:58 pm

VEHICLE	ROLL OFF
SOIL	

REFERENCE	ORIGIN
	ANACORTES/SKAG

00 Gross Weight 98,060.00 lb 12178
Tare Weight 42,880.00 lb
Net Weight 55,180.00 lb 27.59 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
27.59	TN	SW-CONT SOIL				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Cory Turgeon

3RD AND LANDER
3RD AND LANDER

SEATTLE, WA
011105 - 0026
Gary Merlino
2601 T Ave., Anacortes
Seattle, WA
Contract: LW-13295

SITE	TICKET	GRID
01	662201	

SCALE OPERATOR: DL0026 DEINDA L.

DATE IN	TIME IN
21 August 2013	1:14 pm
DATE OUT	**TIME OUT**
21 August 2013	1:28 pm

VEHICLE	ROLL OFF
301	

REFERENCE	ORIGIN
	ANACORTES/SKAG

00 Gross Weight 81,500.00 lb 12178
Tare Weight 43,000.00 lb
Net Weight 38,500.00 lb 19.25 TN

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.25	TN	SW-CONT SOIL				
		Manifest:				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SAFETY MEMOS:
- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE Conn Tugs

ATTACHMENT B
ANALYTICAL REPORT

CLOSURE REPORT
MJB North Dock Area
Anacortes, Washington

Farallon PN: 299-001

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 15, 2013

Riley Conkin
Farallon Consulting, LLC
Queen Anne Square East Bldg.
200 West Mercer Street, Suite 302
Seattle, WA 98119

Re: Analytical Data for Project 299-001
Laboratory Reference No. 1307-054

Dear Riley:

Enclosed are the analytical results and associated quality control data for samples submitted on July 9, 2013.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

Case Narrative

Samples were collected on July 9, 2013 and received by the laboratory on July 9, 2013. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Total Metals EPA 6010C/7471B Analysis

The duplicate RPD for Chromium is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**EX1-12.5**					
Laboratory ID:	07-054-01					
n-Nitrosodimethylamine	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Pyridine	**ND**	0.43	EPA 8270D	7-10-13	7-11-13	
Phenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Aniline	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Chlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Benzyl alcohol	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Methylphenol (o-Cresol)	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
n-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Hexachloroethane	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Nitrobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Isophorone	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Nitrophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,4-Dimethylphenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Naphthalene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
4-Chloroaniline	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
Hexachlorobutadiene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
1-Methylnaphthalene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Chloronaphthalene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2-Nitroaniline	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Dimethylphthalate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,3-Dinitrobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Acenaphthylene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
3-Nitroaniline	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**EX1-12.5**					
Laboratory ID:	07-054-01					
2,4-Dinitrophenol	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
Acenaphthene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
4-Nitrophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Dibenzofuran	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Diethylphthalate	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
4-Nitroaniline	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Fluorene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
4,6-Dinitro-2-methylphenol	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
n-Nitrosodiphenylamine	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Hexachlorobenzene	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Pentachlorophenol	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
Phenanthrene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Anthracene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Carbazole	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Di-n-butylphthalate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Fluoranthene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Benzidine	**ND**	0.43	EPA 8270D	7-10-13	7-11-13	
Pyrene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Butylbenzylphthalate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
3,3'-Dichlorobenzidine	**ND**	0.22	EPA 8270D	7-10-13	7-11-13	
Benzo[a]anthracene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Chrysene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Di-n-octylphthalate	**ND**	0.043	EPA 8270D	7-10-13	7-11-13	
Benzo[b]fluoranthene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo(j,k)fluoranthene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo[a]pyrene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Indeno[1,2,3-cd]pyrene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Dibenz[a,h]anthracene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo[g,h,i]perylene	**ND**	0.0087	EPA 8270D/SIM	7-10-13	7-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*24 - 95*				
Phenol-d6	*54*	*34 - 101*				
Nitrobenzene-d5	*44*	*32 - 102*				
2-Fluorobiphenyl	*56*	*44 - 97*				
2,4,6-Tribromophenol	*47*	*34 - 124*				
Terphenyl-d14	*60*	*47 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**EX2-12.5**					
Laboratory ID:	07-054-02					
n-Nitrosodimethylamine	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Pyridine	**ND**	0.42	EPA 8270D	7-10-13	7-11-13	
Phenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Aniline	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Chlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Benzyl alcohol	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
n-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Hexachloroethane	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Nitrobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Isophorone	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Nitrophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Naphthalene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
4-Chloroaniline	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
Hexachlorobutadiene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Methylnaphthalene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
1-Methylnaphthalene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Chloronaphthalene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2-Nitroaniline	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Dimethylphthalate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Acenaphthylene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
3-Nitroaniline	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**EX2-12.5**					
Laboratory ID:	07-054-02					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
Acenaphthene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
4-Nitrophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Dibenzofuran	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Diethylphthalate	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
4-Nitroaniline	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Fluorene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
n-Nitrosodiphenylamine	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Hexachlorobenzene	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Pentachlorophenol	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
Phenanthrene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Anthracene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Carbazole	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Di-n-butylphthalate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Fluoranthene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Benzidine	**ND**	0.42	EPA 8270D	7-10-13	7-11-13	
Pyrene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Butylbenzylphthalate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
3,3'-Dichlorobenzidine	**ND**	0.21	EPA 8270D	7-10-13	7-11-13	
Benzo[a]anthracene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Chrysene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Di-n-octylphthalate	**ND**	0.042	EPA 8270D	7-10-13	7-11-13	
Benzo[b]fluoranthene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo(j,k)fluoranthene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo[a]pyrene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Indeno[1,2,3-cd]pyrene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Dibenz[a,h]anthracene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Benzo[g,h,i]perylene	**ND**	0.0084	EPA 8270D/SIM	7-10-13	7-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*24 - 95*				
Phenol-d6	*77*	*34 - 101*				
Nitrobenzene-d5	*79*	*32 - 102*				
2-Fluorobiphenyl	*77*	*44 - 97*				
2,4,6-Tribromophenol	*60*	*34 - 124*				
Terphenyl-d14	*78*	*47 - 114*				

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0710S2					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Pyridine	**ND**	0.33	EPA 8270D	7-10-13	7-11-13	
Phenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Aniline	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Chlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Benzyl alcohol	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Hexachloroethane	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Nitrobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Isophorone	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Nitrophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
4-Chloroaniline	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
Hexachlorobutadiene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Chloronaphthalene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2-Nitroaniline	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Dimethylphthalate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
3-Nitroaniline	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0710S2					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
4-Nitrophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Dibenzofuran	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Diethylphthalate	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
4-Nitroaniline	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Hexachlorobenzene	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Pentachlorophenol	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Carbazole	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Di-n-butylphthalate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Benzidine	**ND**	0.33	EPA 8270D	7-10-13	7-11-13	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Butylbenzylphthalate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
3,3'-Dichlorobenzidine	**ND**	0.17	EPA 8270D	7-10-13	7-11-13	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Di-n-octylphthalate	**ND**	0.033	EPA 8270D	7-10-13	7-11-13	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	7-10-13	7-11-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*82*	*24 - 95*				
Phenol-d6	*84*	*34 - 101*				
Nitrobenzene-d5	*86*	*32 - 102*				
2-Fluorobiphenyl	*87*	*44 - 97*				
2,4,6-Tribromophenol	*72*	*34 - 124*				
Terphenyl-d14	*99*	*47 - 114*				

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	07-054-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.848**	**0.925**	1.33	1.33	ND	64	70	43 - 104	9	25	
2-Chlorophenol	**0.886**	**0.971**	1.33	1.33	ND	67	73	41 - 104	9	32	
1,4-Dichlorobenzene	**0.424**	**0.480**	0.667	0.667	ND	64	72	23 - 95	12	42	
n-Nitroso-di-n-propylamine	**0.439**	**0.469**	0.667	0.667	ND	66	70	34 - 105	7	27	
1,2,4-Trichlorobenzene	**0.411**	**0.454**	0.667	0.667	ND	62	68	26 - 106	10	32	
4-Chloro-3-methylphenol	**1.05**	**1.06**	1.33	1.33	ND	79	80	52 - 109	1	20	
Acenaphthene	**0.428**	**0.442**	0.667	0.667	ND	64	66	51 - 104	3	21	
4-Nitrophenol	**0.831**	**0.821**	1.33	1.33	ND	62	62	52 - 121	1	22	
2,4-Dinitrotoluene	**0.396**	**0.396**	0.667	0.667	ND	59	59	53 - 115	0	22	
Pentachlorophenol	**0.889**	**0.822**	1.33	1.33	ND	67	62	29 - 131	8	28	
Pyrene	**0.492**	**0.478**	0.667	0.667	ND	74	72	41 - 123	3	35	
Surrogate:											
2-Fluorophenol						*66*	*72*	*24 - 95*			
Phenol-d6						*67*	*71*	*34 - 101*			
Nitrobenzene-d5						*65*	*69*	*32 - 102*			
2-Fluorobiphenyl						*67*	*70*	*44 - 97*			
2,4,6-Tribromophenol						*60*	*58*	*34 - 124*			
Terphenyl-d14						*75*	*71*	*47 - 114*			

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TOTAL METALS
EPA 6010C/7471B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	07-054-01					
Client ID:	**EX1-12.5**					
Cadmium	**ND**	0.65	6010C	7-10-13	7-10-13	
Mercury	**ND**	0.32	7471B	7-10-13	7-10-13	
Lab ID:	07-054-02					
Client ID:	**EX2-12.5**					
Cadmium	**ND**	0.63	6010C	7-10-13	7-10-13	
Mercury	**ND**	0.31	7471B	7-10-13	7-10-13	
Lab ID:	07-054-03					
Client ID:	**SP1-070913**					
Arsenic	**ND**	13	6010C	7-10-13	7-10-13	
Barium	**87**	3.3	6010C	7-10-13	7-10-13	
Cadmium	**ND**	0.65	6010C	7-10-13	7-10-13	
Chromium	**46**	0.65	6010C	7-10-13	7-10-13	
Lead	**12**	6.5	6010C	7-10-13	7-10-13	
Mercury	**ND**	0.33	7471B	7-10-13	7-10-13	
Selenium	**ND**	13	6010C	7-10-13	7-10-13	
Silver	**ND**	1.3	6010C	7-10-13	7-10-13	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TOTAL METALS
EPA 6010C/7471B
METHOD BLANK QUALITY CONTROL

Date Extracted:	7-10-13
Date Analyzed:	7-10-13
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0710SM1&MB0710S1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Barium	6010C	**ND**	2.5
Cadmium	6010C	**ND**	0.50
Chromium	6010C	**ND**	0.50
Lead	6010C	**ND**	5.0
Mercury	7471B	**ND**	0.25
Selenium	6010C	**ND**	10
Silver	6010C	**ND**	1.0

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TOTAL METALS
EPA 6010C/7471B
DUPLICATE QUALITY CONTROL

Date Extracted: 7-10-13
Date Analyzed: 7-10-13

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-041-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**44.8**	**51.0**	13	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**28.0**	**47.6**	52	0.50	K
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	1.0	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TOTAL METALS
EPA 6010C/7471B
MS/MSD QUALITY CONTROL

Date Extracted: 7-10-13
Date Analyzed: 7-10-13

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 07-041-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**101**	101	**103**	103	3	
Barium	100	**147**	102	**150**	106	2	
Cadmium	50.0	**46.8**	94	**47.2**	94	1	
Chromium	100	**121**	93	**121**	93	0	
Lead	250	**229**	92	**229**	92	0	
Mercury	0.500	**0.474**	95	**0.493**	99	4	
Selenium	100	**96.2**	96	**98.1**	98	2	
Silver	25.0	**21.4**	86	**21.6**	86	1	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TCLP METALS
EPA 1311/6010C/7470A

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	07-054-03					
Client ID:	**SP1-070913**					
Arsenic	**ND**	0.40	6010C	7-12-13	7-12-13	
Barium	**0.24**	0.20	6010C	7-12-13	7-12-13	
Cadmium	**ND**	0.020	6010C	7-12-13	7-12-13	
Chromium	**ND**	0.020	6010C	7-12-13	7-12-13	
Lead	**ND**	0.20	6010C	7-12-13	7-12-13	
Mercury	**ND**	0.0050	7470A	7-12-13	7-12-13	
Selenium	**ND**	0.40	6010C	7-12-13	7-12-13	
Silver	**ND**	0.040	6010C	7-12-13	7-12-13	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TCLP METALS
EPA 1311/6010C/7470A
METHOD BLANK QUALITY CONTROL

Date Prepared:	7-11-13
Date Extracted:	7-12-13
Date Analyzed:	7-12-13
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB0712T1&MB0712T2

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	0.40
Barium	6010C	**ND**	0.20
Cadmium	6010C	**ND**	0.020
Chromium	6010C	**ND**	0.020
Lead	6010C	**ND**	0.20
Mercury	7470A	**ND**	0.0050
Selenium	6010C	**ND**	0.40
Silver	6010C	**ND**	0.040

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TCLP METALS
EPA 1311/6010C/7470A
DUPLICATE QUALITY CONTROL

Date Prepared: 7-11-13
Date Extracted: 7-12-13
Date Analyzed: 7-12-13

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 07-083-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	0.40	
Barium	**ND**	**ND**	NA	0.20	
Cadmium	**0.0403**	**0.0501**	22	0.020	C
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	
Mercury	**ND**	**ND**	NA	0.0050	
Selenium	**ND**	**ND**	NA	0.40	
Silver	**ND**	**ND**	NA	0.040	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

TCLP METALS
EPA 1311/6010C/7470A
MS/MSD QUALITY CONTROL

Date Prepared: 7-11-13
Date Extracted: 7-12-13
Date Analyzed: 7-12-13

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 07-083-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.00	**4.21**	105	**4.19**	105	0	
Barium	4.00	**3.97**	99	**3.92**	98	1	
Cadmium	2.00	**2.00**	98	**1.98**	97	1	
Chromium	4.00	**3.76**	94	**3.73**	93	1	
Lead	10.0	**8.96**	90	**8.85**	89	1	
Mercury	0.0500	**0.0465**	93	**0.0454**	91	2	
Selenium	4.00	**4.26**	107	**4.24**	106	1	
Silver	1.00	**0.990**	99	**0.979**	98	1	

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Date of Report: July 15, 2013
Samples Submitted: July 9, 2013
Laboratory Reference: 1307-054
Project: 299-001

% MOISTURE

Date Analyzed: 7-10-13

Client ID	Lab ID	% Moisture
EX1-12.5	07-054-01	23
EX2-12.5	07-054-02	20
SP1-070913	07-054-03	23

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: FARALLON
Project Number: 299-001
Project Name: MJB North Dock Area
Project Manager: Riley Conkin
Sampled by: Ken Scott

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 07-054

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs) ← PAHs - B?	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals / MTCA Metals (circle one)	TCLP Metals (RCRA 8)	HEM (oil and grease) 1664A	Cadmium, Mercury	% Moisture
1	EX1-12.5	7/9/13	840	S	6							X									X	X
2	EX2-12.5	↓	925	S	6							X									X	
3	SP1-070913	↓	1020	S	6													X	X		X	↓

K5

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Ken Scott	FARALLON	7/9/13	1300	Hold unused samples for possible follow-up analysis
Received		CORE	7/9/13	1300	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____