City of Bothell™

July 7, 2020

Jerome Cruz, Ecology Site Manager
Department of Ecology,
Northwest Regional Office Toxic Cleanup Program
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Re: Quarterly Progress Report

Reporting Period: April – June 2020

Site Names: **BOTHELL LANDING**
BOTHELL PAINT & DECORATING
BOTHELL FORMER HERTZ

Summary:

City of Bothell continues to implement the Cleanup Action Plans for the afore-mentioned sites as part of the Agreed Orders between the City and the Department of Ecology. Per the requirements of Section VII of the Agreed Orders "Work to be Performed", the attached quarterly progress reports (QPRs) have been prepared for the three-month period preceding this submittal.

Kane Environmental continues to conduct the quarterly groundwater monitoring for all three sites. Work on the environmental covenants (EC) has been completed by the respective legal staff at Ecology and City.

Please contact me if you have any questions.

Sincerely,

Nduta Mbuthia

Public Works Department
18415 101st Ave NE
Bothell, WA 98011
425.806.6800
www.bothellwa.gov

Reporting Period:	January – March 2020
Date submitted (electronically):	July 7, 2020
Date mailed (certified w/return receipt):	*(deferred due to COVID-19 Stay at Home Order)*
Prepared by:	Nduta Mbuthia, Project Coordinator City of Bothell, Public Works Department Phone: 425.806.6829 Email: nduta.mbuthia@bothellwa.gov

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Site Name: **BOTHELL LANDING**
Agreed Order No.:15746, Effective date June 11, 2018

A. A list of on-site activities that have taken place during this quarter

Groundwater compliance monitoring for the spring quarter was performed in April 2020; sampling results are attached. An annual groundwater monitoring report was completed for 2019, and transmitted to Ecology in June 2020. Environmental Covenant related to this site were finalized and recorded in May 2020; electronic scans were emailed to Ecology and hard copy originals followed via USPS mail.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests

None

C. Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter

None.

D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule

None; GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 – Winter 2019: March 5, 2019 – March 15, 2019
Q2 – Spring 2019: May 20, 2019 – June 3, 2019
Q3 – Summer 2019: July 15, 2019 - August 5, 2019
Q4 – Fall 2019: October 7, 2019 – October 25, 2019
Q5 – Winter 2020: January 6, 2020 – January 20, 2020
Q6 – Spring 2020: Week of April 6, 2020 through week of April 20, 2020
Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020
Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020

E. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample

Groundwater compliance monitoring was conducted per the CMP Table 3-1B (as modified below). Table of the sampling results is attached.

Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Arsenic			
Point of compliance	BLMW-11 BLMW-12 MW-1	Quarterly for two years, then modify based on results and consultation with Ecology*	Total Arsenic Dissolved Arsenic Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, Field parameters

* If compliance monitoring from the Site shows that the arsenic remains at elevated concentrations for eight quarters of monitoring, with no other detections of petroleum hydrocarbon contamination, this data can be used to demonstrate that the elevated concentrations represents a locally high natural background for arsenic. Based on this evidence, a request can be made to remove the institutional controls for ground water at the site and discontinue monitoring.

Naphthalene, Methylnaphthalene, & 2-Methylnaphthalene

LANDING – To include in *A. A list of on-site activities that have taken place during this quarter*

During a meeting with Jerome Cruz, Ching Pi and John Kane, Naphthalene, 1-Methylnaphthalene, and 2-Methylnaphthalene will continued to be included in compliance groundwater monitoring for one well, BL-MW-12 only. Concentrations of these chemicals were above their respective MTCA cleanup standard.

F. **A list of deliverables for the upcoming quarter if different from the schedule.**
Same as the schedule

EXHIBIT D

Bothell Landing Facility
Schedule of Deliverables

Deliverables.	Due Date
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology
Combined TPH/Arsenic ground water monitoring reports	90 days after 4th quarter sampling
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

Site Name:	**BOTHELL PAINT & DECORATING**
Agreed Order No.:	15748 (Effective date May 31, 2018)

A. A list of on-site activities that have taken place during this quarter

Groundwater compliance monitoring for the spring quarter was performed in April 2020; sampling results are attached.

An annual groundwater monitoring report was completed for 2019, and transmitted to Ecology in June 2020.

Environmental Covenant related to this site was finalized and recorded in May 2020; electronic scans were emailed to Ecology and hard copy originals followed via USPS mail.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests

None

C. Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter

None

D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule

None; GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 – Winter 2019: March 5, 2019 – March 15, 2019
Q2 – Spring 2019: May 20, 2019 – June 3, 2019
Q3 – Summer 2019: July 15, 2019 - August 5, 2019
Q4 – Fall 2019: October 7, 2019 – October 25, 2019
Q5 – Winter 2020: January 6, 2020 – January 20, 2020
Q6 – Spring 2020: Week of April 6, 2020 through week of April 20, 2020
Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020
Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020

E. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample

Groundwater compliance monitoring was conducted per the CMP Table 3-1B below. Table of the sampling results is attached.

Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Petroleum hydrocarbons – Ground Water			
Point of Compliance	BPMW-6 BPMW-2R* BC-10	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, nitrate, manganese (soluble), sulfate, methane, alkalinity. Field parameters: dissolved oxygen, redox potential, pH, conductivity, temperature, ferrous iron
Petroleum hydrocarbons – Storm Water			
1 sample upgradient of Site, 2 samples on Site	See Figure 2	One time event	Total petroleum hydrocarbons, gasoline, diesel and oil range, BTEX TPH-G/BTEX, TPH-D, TPH-O, HVOCs
Arsenic – Ground Water			
Point of compliance	BPMW-1 BPMW-6 BC-10 BC-11	Same as petroleum hydrocarbon, but with additional quarterly monitoring for two years if TPH decreases to be in compliance** BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total Arsenic Dissolved Arsenic Field parameters

* BPMW-2R is a replacement well to be installed 30 to 35 feet northwest of BPMW-2, which was located in the middle of the newly constructed Horse Creek and therefore decommissioned.

F. <u>A list of deliverables for the upcoming quarter if different from the schedule.</u>
Same as the schedule

EXHIBIT D

Bothell Paint & Decorating Facility
Schedule of Deliverables

Deliverables.	**Due Date**
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

Site Name:	**BOTHELL HERTZ**
Agreed Order No.:	15747 (Effective date May 31, 2018)

A. A list of on-site activities that have taken place during this quarter

Groundwater compliance monitoring for the spring quarter was performed in April 2020; sampling results are attached.

An annual groundwater monitoring report was completed for 2019, and transmitted to Ecology in June 2020.

Environmental Covenant related to this site was finalized and recorded in May 2020; electronic scans were emailed to Ecology and hard copy originals followed via USPS mail.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests

None

C. Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter

None

G. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule

None; GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 – Winter 2019: March 5, 2019 – March 15, 2019
Q2 – Spring 2019: May 20, 2019 – June 3, 2019
Q3 – Summer 2019: July 15, 2019 - August 5, 2019
Q4 – Fall 2019: October 7, 2019 – October 25, 2019
Q5 – Winter 2020: January 6, 2020 – January 20, 2020
Q6 – Spring 2020: Week of April 6, 2020 through week of April 20, 2020
Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020
Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020

D. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample

Groundwater compliance monitoring was conducted per the CMP Table 3-1B below. Table of the sampling results is attached.

E. A list of deliverables for the upcoming quarter if different from the schedule.
Same as the schedule

Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Petroleum hydrocarbons – Ground Water			
Point of Compliance	HZMW-19 BLMW-8 BC-16	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years	Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, nitrate, manganese (soluble), sulfate, methane, alkalinity. Field parameters: dissolved oxygen, redox potential, pH, conductivity, temperature, ferrous iron
Arsenic – Ground Water			
Point of compliance	HZMW-1 HZMW-4 HZMW-12 HZMW-17 BC-16	Same as petroleum hydrocarbon, but with additional quarterly monitoring for two years if TPH decreases to be in compliance** BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total Arsenic Dissolved Arsenic Field parameters

EXHIBIT D

Bothell Former Hertz Facility
Schedule of Deliverables

Deliverables.	**Due Date**
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

Table 2
Compliance Groundwater Sampling
Bothell Landing Site
Bothell, Washington

Sample ID	Sample Date	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Arsenic Total	Arsenic Dissolved	Cadmium Total	Cadmium Dissolved	Chromium Total	Chromium Dissolved	Lead Total	Lead Dissolved	Mercury Total	Mercury Dissolved	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Other Semi-Volatile Organic Compounds (SVOCs)	Other Volatile Organic Compounds (VOCs)	Ferrous Iron	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity
		Feet Below Ground Surface	ug/L	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L		mg/L	mV	uS/cm
MW-1:W	9/6/2018	6.96	<50.0	**101**	<1.75	<1.75	<0.200	<0.200	<1.00	**3.51**	**0.911**	<0.500	<0.100	<0.100	<1.00	<0.503	<0.503	nd	nd	2.5	6.48	0.26	64.8	570
	3/11/2019	5.85	<52.8	<106	<1.75	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	6.37	0.32	33.3	428.1
	5/24/2019	6.38	<260	<420	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	6.05	0.39	-77.3	488.9
	7/17/2019	7.05	<260	**470**	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	6.26	0.19	5.9	586
	10/8/2019	6.72	<250	<400	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	6.49	0.04	-8.8	512
	1/13/2020	5.41	<250	<400	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	6.58	1.79	59.8	299.4
	4/10/2020	5.76	<250	**410**	**9.6**	**8.20**	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5.92	0.13	66.3	206
BL-MW-11:W	9/6/2018	9.84	**91.8 b**	**167**	**78.5**	**11.3**	<0.200	<0.200	**1.61**	**6.88**	**0.882**	<0.500	<0.100	<0.100	<1.00	<0.501	<0.501	nd	nd	2.0	6.48	0.12	-4.7	920
	3/6/2019	5.02	<50.5	**159**	**6.97**	**3.58**	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	6.56	0.27	-49.1	388.8
	5/22/2019	8.31	<260	**510**	**7.9**	**7.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	6.17	0.25	-82.2	404.7
	7/19/2019	9.44	<260	<420	**27**	**21**	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	6.33	0.06	-28.9	589.6
	10/9/2019	9.44	<260	**450**	**30**	**24**	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	6.59	0.14	-100.5	601
	1/8/2020	5.97	<260	**420**	**12**	**9.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	6.66	0.19	24.5	340.6
	4/10/2020	5.28	<260	270	**7.4**	**5.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	6.56	4.45	-27.9	367.9
BL-MW-12:W	9/6/2018	9.51	**362 b**	**144**	**87.6**	**14.4**	<0.200	<0.200	**3.75**	**6.92**	**0.712**	<0.500	<0.100	<0.100	**370***	**13.3**	**12.3**	**SR**	**SR**	2.5	6.62	0.1	34.8	840
	3/11/2019	7.75	<53.1	**114**	**17.7**	**3.6**	-	-	-	-	-	-	-	-	<0.100	<0.100	<0.100	-	-	2.5	6.02	0.27	52.2	207.5
	5/22/2019	8.25	<260	<420	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5.39	0.49	85.8	70.2
	7/22/2019	9.52	<260	**790**	**16.0**	**14.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	5.91	0.04	84.8	500.3
	10/9/2019	9.6	<250	<400	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	5.83	0.13	171.4	66.3
	1/30/2020	7.06	<210	<210	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	5.35	0.34	130.8	47.5
	4/10/2020	8.17	<210	<210	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6.56	0.22	20.5	420.5
Site Specific Cleanup Level +			*500*	*500*	*10*																			
*MTCA Method A or Method B Cleanup Level^*			*500*	*500*	*5.0*		*5.0*		*50*		*15*		*2.0*		*160*	*(1.51)*	*32*	*Varies#*	*Varies#*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*

Notes:
All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)
ug/L = micrograms per liter [equivalent to parts per billion (ppb)]
mg/L = milligrams per liter [equivalent to parts per million (ppm)]
Bold concentrations are detectable concentrations, below their Site Specific Cleanup Level (if available).
Shaded and Bold concentrations are detectable concentrations, exceeding their Site Specific Cleanup Level
nd = No analytes detected above the laboratory reporting limit. See laboratory analytical report for full list of results
# = Various cleanup levels for multiple analytes. See laboratory analytical report for full list of analytes
b = Identified as Diesel Range Organics, indicating the presence of unresolved compounds eluting from dodecane through tetracosane (~C12-C24).
SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.
- = Not analyzed
^ = MTCA Method B Cleanup Level in parentheses
* - Result from analysis by EPA Method 8260. Concentration of 160 ug/L reported from analysis by EPA Method 8270
+ = Site specific cleanup level as established in Cleanup Action Plan dated May 24, 2018

Table 3
Compliance Groundwater Sampling
Bothell Paint Site
Bothell, Washington

Sample ID	Sample Date	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Arsenic		Cadmium		Chromium		Lead		Mercury		Dissolved Manganese	Semi-Volatile Organic Compounds (SVOCs)	Volatile Organic Compounds (VOCs)	Methane	Nitrate (as Nitrogen)	Sulfate	Ferrous Iron	Total Alkalinity (as CaCO3)	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity
					Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved													
		Feet Below Ground Surface	ug/L	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mV	uS/cm
BPMW-2R:W	11/20/2018	8.08*	**51.4** [b]	<101	<1.75	<1.75	<0.200	<0.200	**1.72**	<1.00	<0.500	<0.500	<0.100	<0.100	**161**	**SR**	nd	0.106	<0.1	5.98	1.0	124	7.27	0.14	3.2	229.5
	3/7/2019	5.5*	**122** [b]	**219**	-	-	-	-	-	-	-	-	-	-	**94**	-	-	0.651	<0.100	1.87	0.5	117	7.47	0.19	-64.7	240
	5/20/2019	7.98*	<260	<420	-	-	-	-	-	-	-	-	-	-	**60**	-	-	0.66	0.055	<5.0	0.5	110	7.25	0.26	-120.9	235
	7/18/2019	8.46*	<260	<420	-	-	-	-	-	-	-	-	-	-	**92**	-	-	1.2	<0.050	<5.0	0.5	110	7.14	0.07	38.9	258.7
	10/10/2019	8.50*	<260	<410	-	-	-	-	-	-	-	-	-	-	**120**	-	-	0.9	<0.050	<5.0	0.5	110	7.51	0	-78.5	246.7
	1/9/2020	8.09	<260	**350**	-	-	-	-	-	-	-	-	-	-	**76**	-	-	1.5	<0.050	<5.0	0.5	110	7.29	0.16	-67.6	247.1
	4/7/2020	7.95	<260	<410	-	-	-	-	-	-	-	-	-	-	**130**	-	-	1.2	<0.050	<5.0	0.5	120	7.38	0.14	-71.5	248.2
BPMW-6:W	11/20/2018	2.87	<50.2	**194**	**16.5**	**15.0**	**0.207**	<0.200	**4.51**	**2.94**	**4.46**	**1.09**	<0.100	<0.100	**67.7**	nd	nd	0.511	4.26	19.9	0.0	68.0	5.96	0.11	105.4	292.8
	3/7/2019	2.25	<50.3	<101	**14.7**	**13.8**	-	-	-	-	-	-	-	-	**27.7**	-	-	2.25	10 [c]	5.18	0.5	25.7	5.68	0.32	98.9	159.2
	5/20/2019	1.4	<270	**500**	**9.3**	**8.4**	-	-	-	-	-	-	-	-	**26**	-	-	1.8	25	<5.0	0.5	44.0	5.87	0.44	32.8	359.6
	7/18/2019	3.14	<300	<490	**44.0**	**38.0**	-	-	-	-	-	-	-	-	**130**	-	-	5.9	<0.050	<5.0	1.5	120.0	6.06	0.07	109.9	382.4
	10/10/2019	2.71	<290	**740**	**9.1**	**5.8**	-	-	-	-	-	-	-	-	**190**	-	-	4.4	9.1	<5.0	1.0	110.0	6.2	0.02	99.5	364
	1/9/2020	0.35	<210	**240**	**11.0**	**8.0**	-	-	-	-	-	-	-	-	**23**	-	-	5.3	9.4	<5.0	0.0	44.0	5.86	0.62	174	211.6
	4/7/2020	1.71	<210	**430**	**11.0**	**8.7**	-	-	-	-	-	-	-	-	**16**	-	-	3.8	19	<5.0	0.0	42.0	6	1.15	142.4	274.1
BC-10:W	11/27/2018	9.71	<49.9	<99.8	<1.75	<1.75	<0.200	<0.200	**1.03**	<1.00	<0.500	<0.500	<0.100	<0.100	**184**	nd	nd	0.958	<0.1	6.41	2.0	160	6.53	0.38	27.7	384.7
	3/15/2019	9.42	<50.3	<101	<1.75	<1.75	-	-	-	-	-	-	-	-	**194**	-	-	0.0872	<0.10	6.22	3.0	167	6.62	0.23	-1	351
	5/23/2019	10.9	<260	<410	<3.3	<3.0	-	-	-	-	-	-	-	-	**150**	-	-	0.23	<0.050	6	4.0	160	6.27	0.28	-149	348.8
BC-11R	3/7/2019	10.06	-	-	<1.75	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.44	0.26	-4.8	467.4
	5/20/2019	11.06	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	6.22	0.33	-45.7	461.9
	7/18/2019	11.87	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	6.13	0.07	50	509.6
	10/10/2019	11.7	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	6.51	0.01	-20.8	482.9
	1/21/2020	9.66	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.42	0.02	-21.8	465.5
	4/7/2020	9.73	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.53	0.11	2.3	501.5
BPMW-1	3/7/2019	12.56	-	-	**12.9**	**4.83**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	6.52	0.24	0.4	515.6
	5/23/2019	12.35	-	-	**22.0**	**11.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	6.21	0.37	-162.7	514.9
	7/19/2019	12.42	-	-	**14.0**	**12.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	6.56	0.08	-23.3	535.6
	10/10/2019	12.16	-	-	**17.0**	**15.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.62	0	-43.9	509
	1/21/2020	11.72	-	-	**16.0**	**8.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5		6.65	0.1	-14.9	500.8
	4/8/2020	12.08	-	-	**19.0**	**11.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.6	0.14	-24.4	527
Site Specific Cleanup Level +			500	500	*10*																					
*MTCA Method A or Method B Cleanup Level^*			*500*	*500*	*5.0*		*5.0*		*50*		*15*		*2.0*		*(2,240)*	*Varies#*	*Varies#*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*

Notes:
All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)
ug/L = micrograms per liter [equivalent to parts per billion (ppb)]
mg/L = milligrams per liter [equivalent to parts per million (ppm)]
Bold concentrations are detectable concentrations, below their Site Specific Cleanup Level (if available).
Shaded and Bold concentrations are detectable concentrations, exceeding their Site Specific Cleanup Level
nd = No analytes detected above the laboratory reporting limit. See laboratory analytical report for full list of results
# = Various cleanup levels for multiple analytes. See laboratory analytical report for full list of analytes
* = Well is angled at approximately 47 degree angle
b = Identified as Diesel Range Organics, indicating the presence of unresolved compounds eluting from dodecane through tetracosane (~C12-C24).
SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.
- = Not analyzed
^ = MTCA Method B Cleanup Level in parentheses
+ = Site specific cleanup level as established in Cleanup Action Plan dated May 29, 2018

Table 1
Compliance Groundwater Sampling
Bothell Hertz Site
Bothell, Washington

Sample ID	Sample Date	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Arsenic		Cadmium		Chromium		Lead		Mercury		Dissolved Manganese	Semi-Volatile Organic Compounds (SVOCs)	Volatile Organic Compounds (VOCs)	Methane	Nitrate (as Nitrogen)	Sulfate	Ferrous Iron	Total Alkalinity (as CaCO3)	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity
		Feet Below Ground Surface	ug/L	ug/L	Total ug/L	Dissolved ug/L	Total ug/L	Dissolved ug/L	Total ug/L	Dissolved ug/L	Total ug/L	Dissolved ug/L	Total ug/L	Dissolved ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	mV	uS/cm
HZ-MW-1:W	9/4/2018	8.05	<49.8	<99.7	<1.75	<1.75	<0.200	<0.200	**13.6**	**12.8**	<0.500	<0.500	<0.100	<0.100	<2.00	nd	**PCE - 10.2**	<0.00863	1.69	7.42	0.0	52.1	6.52	8.48	63.7	140
	9/5/2019	6.5	-	-	<1.75	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.18	5.59	152.5	149.3
	5/21/2019	6.81	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	5.99	7	66.7	159.6
	7/16/2019	7.2	-	-	<3.0	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.23	7.98	158.3	203.4
	10/16/2019	7.45	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.4	3.56	148.7	200.1
	1/10/2020	6.39	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.34	1.74	228.8	197.9
	4/9/2020	6.35	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.39	0.06	172.7	153
HZ-MW-4:W	9/4/2018	7.61	<50.0	**124**	<1.75	<1.75	<0.200	<0.200	**1.15**	<1.00	<0.500	<0.500	<0.100	<0.100	**165**	nd	**SR**	<0.00863	1.7	37.4	0.0	116	6.37	2.36	12.8	359
	3/5/2019	5.8	-	-	<1.75	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.27	0.24	133.6	486.1
	5/21/2019	6.37	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	6.1	0.35	26.2	426.1
	7/16/2019	7.2	-	-	<3.0	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.05	4.65	114.6	396
	10/11/2019	7.13	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.37	1.88	100.1	353.8
	1/10/2020	6	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.37	0.33	175.4	459.3
	4/9/2020	6.11	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	6.36	0.13	166.3	489
HZ-MW-12:W	9/5/2018	10.85	**118** [b]	**253**	**4.84**	**5.54**	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	**4,090**	nd	nd	3.17	<0.1	0.367	2.5	608	6.38	0.32	33.1	1,180
	3/6/2019	8.33	-	-	**2.89**	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	6.37	0.59	-66.9	1,063
	5/22/2019	9.46	-	-	**4.20**	**3.20**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	6.01	0.26	-115.3	1,151
	7/19/2019	10.35	-	-	**4.60**	**3.90**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	6.14	0.09	9.7	1,220
	10/9/2019	10.7	-	-	**4.40**	**3.80**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.38	0.03	-39.3	1,133
	1/8/2020	8.31	-	-	**5.20**	**4.50**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.38	0.21	-3.4	1,015
	4/8/2020	8.61	-	-	**3.60**	**<3.0**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.46	0.13	-52.2	1,085
HZ-MW-17:W	9/4/2018	7.9	<50.0	<99.9	<1.75	<1.75	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	**234**	nd	**SR**	0.00892	<0.1	17.7	3.0	111	6.85	7.94	15	269
	3/5/2019	7.1	-	-	<1.75	<1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	6.76	0.13	-24.9	269.6
	5/23/2019	7.08	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	6.31	1.02	-79.6	304
	7/17/2019	7.63	-	-	<3.0	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.65	0.07	-12.1	8.44
	10/11/2019	7.7	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	6.98	0.73	41.4	340.5
	1/17/2020	7.15	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	6.96	0.14	-21.6	252.3
	4/8/2020	7.01	-	-	<3.3	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	6.74	0.4	-11.1	382.4
HZ-MW-19:W	9/5/2018	7.69	**125** [b]	**150**	<1.75	<1.75	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	**954**	nd	**SR**	0.0296	<0.1	65.6	3.5	198	6.34	0.48	26.1	513
	3/5/2019	6.00	**210** [b]	<98.5	-	-	-	-	-	-	-	-	-	-	**136**	-	-	0.0332	0.414 [H]	8.98	2.0	162	5.94	0.33	77.7	221.1
	5/21/2019	6.25	**410**	<420	<3.3	<3.0	-	-	-	-	-	-	-	-	**720**	-	-	0.11	0.14	17	4.0	180	5.87	0.31	-11	330.9
	7/16/2019	7.1	<260	<420	<3.0	<3.0	-	-	-	-	-	-	-	-	**850**	-	-	0.035	<0.050	44	2.0	210	6.09	0.12	45.9	520.9
	10/16/2019	6.8	**340**	**950**	<3.3	<3.0	-	-	-	-	-	-	-	-	**840**	-	-	0.018	<0.050	48	1.5	190	6.33	0.04	15.9	486.5
	1/10/2020	4.82	**510**	<210	<3.3	<3.0	-	-	-	-	-	-	-	-	**32**	-	-	0.01	1.8	23	0.0	98	6.02	1.67	198.9	244.5
	4/9/2020	5.21	**430**	**370**	<3.3	<3.0	-	-	-	-	-	-	-	-	**71**	-	-	0.06	0.24	13	0.5	120	6.15	0.33	124.4	242.5
BC-16:W	9/5/2018	8.77	**91.4** [b]	**104**	**3.34**	<1.75	<0.200	<0.200	**2.35**	<1.00	**2.91**	<0.500	<0.100	<0.100	**3,470**	nd	nd	2.18	<0.1	13	3.0	560	6.3	0.92	31.4	1,040
	3/6/2019	3.78	<50.4	**179**	**2.56**	<1.75	-	-	-	-	-	-	-	-	**3,760**	-	-	3.44	0.31	270	3.0	371	6.37	0.44	-31	1,118
	5/22/2019	5.89	<260	**450**	<3.3	<3.0	-	-	-	-	-	-	-	-	**4,600**	-	-	2.1	0.27	260	4.5	510	6.09	0.35	-114.1	1,292
	7/19/2019	7.63	<260	**540**	<3.3	<3.0	-	-	-	-	-	-	-	-	**4,800**	-	-	8.9	<0.050	160	2.0	560	6.15	0.84	39.7	1,347
	10/11/2019	8.32	<270	<440	<3.3	<3.0	-	-	-	-	-	-	-	-	**3,900**	-	-	6	<0.050	61	1.0	520	6.36	0.32	-35.3	1,150
	1/8/2020	3.55	**260**	**350**	<3.3	<3.0	-	-	-	-	-	-	-	-	**5,600**	-	-	1.9	0.13	300	1.5	560	6.44	0.14	-30.1	1,500
	4/8/2020	4.19	**570**	**590**	<3.3	<3.0	-	-	-	-	-	-	-	-	**3,800**	-	-	3.1	<0.050	340	0.5	520	6.55	0.09	-46.3	1,320
BLMW-8R:W	11/21/2018	8.53	**879** [b]	**1,680**	**6.63**	**2.12**	**0.276**	<0.200	**1.25**	<1.00	<0.500	<0.500	<0.100	<0.100	**1,070**	**SR**	nd	0.648	<0.1	2.37	2.5	244	6.56	0.19	43.5	570.7
	3/6/2019	7.72	<49.5	**234**	-	-	-	-	-	-	-	-	-	-	**3,480**	-	-	4.26	<0.100	1.7	2.5	348	6.74	0.31	-64.4	669.8
	5/21/2019	7.91	**400**	**720**	**7.10**	**5.60**	-	-	-	-	-	-	-	-	**2,400**	-	-	2.90	0.14	<5.0	3.0	310	6.46	0.27	-101.8	602.6
	7/17/2019	8.34	**470**	**1,000**	**8.10**	**6.50**	-	-	-	-	-	-	-	-	**2,700**	-	-	3.30	<0.050	<5.0	2.0	340	6.36	0.06	-27.4	746
	10/11/2019	8.34	<270	**720**	**27**	**16**	-	-	-	-	-	-	-	-	**2,600**	-	-	1.9	<0.050	<5.0	1.5	370	6.97	0.07	-90.5	776
	1/13/2020	7.57	**220**	**540**	**26**	**18**	-	-	-	-	-	-	-	-	**3,300**	-	-	4.4	<0.050	18	1.0	410	6.96	0.19	-100.1	806
	4/9/2020	7.43	**300**	**760**	**31**	**19**	-	-	-	-	-	-	-	-	**3,400**	-	-	6.5	<0.050	19	2.5	410	7.08	0.14	-107.9	806
Site Specific Cleanup Level +			500	500	*10*																					
*MTCA Method A or Method B Cleanup Level^*			*500*	*500*	*5.0*		*5.0*		*50*		*15*		*2.0*		*(2,240)*	*Varies#*	*Varies#*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*	*n/a*

Notes:
All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)
ug/L = micrograms per liter [equivalent to parts per billion (ppb)]
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H = Holding times for preparation or analysis exceeded
SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.
- = Not analyzed
^ = MTCA Method B Cleanup Level in parentheses
+ = Site specific cleanup level as established in Cleanup Action Plan dated May 29, 2018

From:	Nduta Mbuthia
To:	jcru461@ecy.wa.gov
Cc:	Ryan Roberts; jkane@kane-environmental.com; Jeanie Ashe
Bcc:	Nduta Mbuthia
Subject:	Recorded covenants for Lot D, Parcel 4 and Parcel 3 - related to BSC, Hertz & Paint Sites
Date:	Wednesday, May 13, 2020 2:47:35 PM
Attachments:	981111_CITY OF BOTHELL_ENVIRONMENTAL COVENANT_COVENANT_20200513.pdf 981111_CITY OF BOTHELL_ENVIRONMENTAL COVENANT_COVENANT_20200513.pdf 981111_CITY OF BOTHELL_ENVIRONMENTAL COVENANT_COVENANT_20200513_002.pdf

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Hi Jerome

Attached are the recorded covenants for Lot D, Parcel 4 and Parcel 3. The originals will be sent to your office per the instructions on the front page of the covenants. thanks

Nduta

From:	Nduta Mbuthia
To:	Cruz, Jerome (ECY)
Cc:	John Kane; Petrovich, Brad (ECY); Jeff Jensen
Bcc:	Nduta Mbuthia
Subject:	RE: [EXTERNAL] Compliance monitoring reporting for Hertz, Landing, and Paint?
Date:	Thursday, June 25, 2020 10:56:00 AM
Attachments:	image002.png image004.png 2020.6.25 Letter of Transmittal Paint Landing Hertz Annual GW mon report.pdf

Hi Jerome

The Annual Groundwater Compliance Monitoring Report (6/23/2020) is available for download at the link below. Please see transmittal letter attached.

https://cityofbothell-my.sharepoint.com/:b:/g/personal/nduta_mbuthia_bothellwa_gov/EUdxFOeUCapOsB762E46zUoBFHC-BxXa9scTiVUZKTniSg?e=pD0RtN

Thanks

Nduta

From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>
Sent: Thursday, May 7, 2020 3:37 PM
To: Nduta Mbuthia <Nduta.Mbuthia@bothellwa.gov>
Cc: John Kane <jkane@kane-environmental.com>; Petrovich, Brad (ECY) <bpet461@ECY.WA.GOV>
Subject: [EXTERNAL] Compliance monitoring reporting for Hertz, Landing, and Paint?

Hi Nduta,
I would like to discuss with you the AO requirement for compliance monitoring reports. In the City's progress reports, they include Exhibit D of the AO. This deliverable in Exhibit D appears to require monitoring reports (for example, for the Hertz site):

	of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP

Past communications (see attached) appear to show that we handled this by accepting data tabulations and not a report (initially after the first 4 quarters then annually). However, reports are more informative than raw data as they organize and consolidate results better, and allows us to analyze the decisions in the CAP on MNA and MTCA compliance, monitoring frequency, natural vs. contamination induced arsenic, etc.

The progress reports do a great job tracking administrative and management requirements and site activities. They also include groundwater monitoring results in the form of the data tables. However, I think it might be better to have monitoring reports to allow us to assess groundwater quality and confirmation monitoring status, make decisions on whether to modify our compliance monitoring and well network, and evaluate performance under the objectives and standards of the original cleanup plans. Compliance monitoring reports are also a better package for the public (we can post them on the websites). So do you think we can start at

least an annual compliance monitoring report to consolidate/summarize our monitoring results for each site and evaluate MNA progress, decision paths originally in the CAPs, and recommendations for next steps?

Thanks,

Jerome

WASHINGTON STATE DEPARTMENT OF ECOLOGY
Jerome B. Cruz, Toxics Cleanup Program, Northwest Regional Office
Address: 3190 - 160th SE Bellevue, WA 98008
Phone: (425) 649-7094 **Cell**: 425-466-8732 **Fax**: (425) 649-7098
Email: Jerome.Cruz@ecy.wa.gov
Web: http://www.ecy.wa.gov/programs/tcp/cleanup.html

City of Bothell™

Public Works Department
City Hall
18415 – 101st NE
Bothell, WA 98011
Phone (425) 806-6800
Fax (425) 806-6130

LETTER OF TRANSMITTAL

Date: June 25, 2020

Company: Department of Ecology
NWRO Toxics Cleanup Program
Attn: Dr. Jerome Cruz
Address: 3190 - 160th SE
Bellevue, WA 98008

From: Nduta Mbuthia, Capital Project Engineer, Public Works

Enclosed please find:

Annual Groundwater Compliance Monitoring Report (6/23/2020)
- *Deliverable #6 on Exhibit C for Paint, Landing & Hertz Sites*

☐ For your information/files
☐ For your action
☐ At your request
☐ Approved as noted
☒ For your review & comments
☐ Please return all copies
☐ Other:

Comments: Report will be finalized after we receive and address Ecology's review comments

cc: Project File

EXHIBIT D

Bothell Paint & Decorating Facility
Schedule of Deliverables

Deliverables.	**Due Date**
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

EXHIBIT D

Bothell Landing Facility
Schedule of Deliverables

Deliverables.	**Due Date**
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology
Combined TPH/Arsenic ground water monitoring reports	90 days after 4th quarter sampling
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

EXHIBIT D

Bothell Former Hertz Facility
Schedule of Deliverables

Deliverables.	**Due Date**
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

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

April 21, 2020

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-13.3
Laboratory Reference No. 2004-045

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on April 7, 2020.

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

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

Case Narrative

Samples were collected on April 7, 2020 and received by the laboratory on April 7, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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.

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Diesel Range Organics	**ND**	0.22	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**0.43**	0.22	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*65*	*50-150*				

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	SB0410W1									
	ORIG	DUP								
Diesel Fuel #2	**0.431**	**0.366**	NA	NA		NA	NA	16	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*97* *100*	*50-150*			

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Sulfate	**ND**	5.0	ASTM D516-11	4-13-20	4-13-20	
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Sulfate	**ND**	5.0	ASTM D516-11	4-13-20	4-13-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
Sulfate	**ND**	5.0	ASTM D516-11	4-13-20	4-13-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-045-01							
	ORIG DUP							
Sulfate	**ND** **ND**	NA	NA	NA	NA	NA	10	
MATRIX SPIKE								
Laboratory ID:	04-045-01							
	MS	MS		MS				
Sulfate	**11.7**	10.0	ND	117	73-134	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0413W1							
	SB	SB		SB				
Sulfate	**10.3**	10.0	NA	103	89-113	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Nitrate	**ND**	0.050	EPA 353.2	4-8-20	4-8-20	
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Nitrate	**19**	0.50	EPA 353.2	4-8-20	4-8-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Nitrate	**ND**	0.050	EPA 353.2	4-8-20	4-8-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-045-01							
	ORIG DUP							
Nitrate	**ND** **ND**	NA	NA	NA	NA	NA	13	
MATRIX SPIKE								
Laboratory ID:	04-045-01							
	MS	MS		MS				
Nitrate	**2.19**	2.00	ND	110	90-127	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Nitrate	**2.13**	2.00	NA	107	90-125	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Manganese	**130**	10	EPA 200.8	4-7-20	4-8-20	
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Arsenic	**8.7**	3.0	EPA 200.8	4-7-20	4-8-20	
Manganese	**16**	10	EPA 200.8	4-7-20	4-8-20	
Client ID:	**BC-11R:W**					
Laboratory ID:	04-045-03					
Arsenic	**ND**	3.0	EPA 200.8	4-7-20	4-8-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DISSOLVED METALS
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407F1					
Arsenic	**ND**	3.0	EPA 200.8	4-7-20	4-8-20	
Manganese	**ND**	10	EPA 200.8	4-7-20	4-8-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-045-01										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**131**	**132**	NA	NA		NA		NA	1	20	
MATRIX SPIKES											
Laboratory ID:	04-045-01										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**79.8**	**77.6**	80.0	80.0	ND	**100**	**97**	75-125	3	20	
Manganese	**192**	**197**	80.0	80.0	131	**76**	**82**	75-125	3	20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DISSOLVED GASES
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Methane	**1200**	8.3	RSK 175	4-10-20	4-10-20	
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Methane	**3800**	28	RSK 175	4-10-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

DISSOLVED GASES
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Methane	**ND**	0.55	RSK 175	4-10-20	4-10-20	

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANK										
Laboratory ID:	SB0410W1									
	SB	SBD	SB	SBD	SB	SBD				
Methane	**23.0**	**22.6**	22.1	22.1	104	102	75-125	2	25	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-2R:W**					
Laboratory ID:	04-045-01					
Total Alkalinity	**120**	2.0	SM 2320B	4-9-20	4-9-20	
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Total Alkalinity	**42**	2.0	SM 2320B	4-9-20	4-9-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409W1					
Total Alkalinity	**ND**	2.0	SM 2320B	4-9-20	4-9-20	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-047-01								
	ORIG	DUP							
Total Alkalinity	**ND**	**ND**	NA	NA	NA	NA	NA	10	
SPIKE BLANK									
Laboratory ID:	SB0409W1								
	SB		SB		SB				
Total Alkalinity	**98.0**		100	NA	98	88-110	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

TOTAL ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BP-MW-6:W**					
Laboratory ID:	04-045-02					
Arsenic	**11**	3.3	EPA 200.8	4-8-20	4-8-20	
Client ID:	**BC-11R:W**					
Laboratory ID:	04-045-03					
Arsenic	**ND**	3.3	EPA 200.8	4-8-20	4-8-20	

Date of Report: April 21, 2020
Samples Submitted: April 7, 2020
Laboratory Reference: 2004-045
Project: 82302-13.3

TOTAL ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408WM1					
Arsenic	**ND**	3.3	EPA 200.8	4-8-20	4-8-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-124-02										
	ORIG	DUP									
Arsenic	**9.73**	**10.7**	NA	NA		NA		NA	10	20	
MATRIX SPIKES											
Laboratory ID:	03-124-02										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**130**	**137**	111	111	9.73	**109**	**114**	75-125	5	20	

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-naphthalene) 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 methods 8260 & 8270, 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

Chain of Custody

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

Company: Kane Environmental
Project Number: 82302-13.3
Project Name: Bothell Paint
Project Manager: Jeff Jensen
Sampled by: Mike Espinoza

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

Laboratory Number: 04-045

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	~~TCLP Metals~~ Sulfate	~~HEM (oil and grease) 1664A~~ nitrate	dissolved Mn	methane	alkalinity	Dissolved As	% Moisture Total As
1	BP-MW-2R:W	4/7	11:54	GW	8				X												X	X	X	X	X		
2	BP-MW-6:W	4/7	09:48	GW	9				X												X	X	X	X	X	X	X
3	BC-11R:W	4/7	13:09	GW	2																					X	X

	Signature	Company	Date	Time
Relinquished	Mike Espinoza	Kane Env.	4/7/20	15:00
Received		OSE	4/7/20	1525
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Lab filter

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

April 14, 2020

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-13.3
Laboratory Reference No. 2004-055

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on April 8, 2020.

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

Date of Report: April 14, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-055
Project: 82302-13.3

Case Narrative

Samples were collected on April 8, 2020 and received by the laboratory on April 8, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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.

Date of Report: April 14, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-055
Project: 82302-13.3

TOTAL ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BPMW-1:W**					
Laboratory ID:	04-055-01					
Arsenic	**19**	3.3	EPA 200.8	4-10-20	4-10-20	

Date of Report: April 14, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-055
Project: 82302-13.3

TOTAL ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410WM1					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-124-04										
	ORIG	DUP									
Arsenic	**4.49**	**5.20**	NA	NA		NA		NA	15	20	
MATRIX SPIKES											
Laboratory ID:	03-124-04										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**128**	**115**	111	111	4.49	**111**	**100**	75-125	11	20	

Date of Report: April 14, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-055
Project: 82302-13.3

DISSOLVED ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BPMW-1:W**					
Laboratory ID:	04-055-01					
Arsenic	**11**	3.0	EPA 200.8	4-8-20	4-10-20	

Date of Report: April 14, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-055
Project: 82302-13.3

DISSOLVED ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408F2					
Arsenic	**ND**	3.0	EPA 200.8	4-8-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-062-02										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	04-062-02										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**74.4**	**74.4**	80.0	80.0	ND	**93**	**93**	75-125	0	20	

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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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.

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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-naphthalene) 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.

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

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

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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 methods 8260 & 8270, 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

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: Kane Environmental
Project Number: 82302-13.3
Project Name: Bothell Paint
Project Manager: Jeff Jensen
Sampled by: Mike Espinoza

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

Laboratory Number: 04-055

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	total As	Dissolved As			% Moisture
1	BPMW-1:W	4/8	0850	GW																			X	X			

ME

	Signature	Company	Date	Time
Relinquished	[signature]	Kane Env.	4/8/20	15:50
Received	[signature]	OSE	4/8/20	1550
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Lab filter

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

April 21, 2020

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-15.3
Laboratory Reference No. 2004-056

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on April 8, 2020.

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

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

Case Narrative

Samples were collected on April 8, 2020 and received by the laboratory on April 8, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot of each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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.

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Diesel Range Organics	**0.27**	0.21	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**0.59**	0.21	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	SB0410W1									
	ORIG	DUP								
Diesel Fuel #2	**0.431**	**0.366**	NA	NA		NA	NA	16	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*97* *100*	*50-150*			

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Sulfate	**340**	100	ASTM D516-11	4-13-20	4-13-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
Sulfate	**ND**	5.0	ASTM D516-11	4-13-20	4-13-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-045-01							
	ORIG DUP							
Sulfate	**ND** **ND**	NA	NA	NA	NA	NA	10	
MATRIX SPIKE								
Laboratory ID:	04-045-01							
	MS	MS		MS				
Sulfate	**11.7**	10.0	ND	117	73-134	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0413W1							
	SB	SB		SB				
Sulfate	**10.3**	10.0	NA	103	89-113	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Nitrate	**ND**	0.050	EPA 353.2	4-14-20	4-14-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414W1					
Nitrate	**ND**	0.050	EPA 353.2	4-14-20	4-14-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-056-01							
	ORIG DUP							
Nitrate	**ND** **ND**	NA	NA	NA	NA	NA	13	
MATRIX SPIKE								
Laboratory ID:	04-056-01							
	MS	MS		MS				
Nitrate	**2.23**	2.00	ND	112	90-127	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0414W1							
	SB	SB		SB				
Nitrate	**2.18**	2.00	NA	109	90-125	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Arsenic	**ND**	3.0	EPA 200.8	4-8-20	4-10-20	
Manganese	**3800**	250	EPA 200.8	4-8-20	4-10-20	
Client ID:	**HZ-MW-12:W**					
Laboratory ID:	04-056-02					
Arsenic	**ND**	3.0	EPA 200.8	4-8-20	4-10-20	
Client ID:	**HZ-MW-17:W**					
Laboratory ID:	04-056-03					
Arsenic	**ND**	3.0	EPA 200.8	4-8-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DISSOLVED METALS
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408F2					
Arsenic	**ND**	3.0	EPA 200.8	4-8-20	4-10-20	
Manganese	**ND**	10	EPA 200.8	4-8-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-062-02										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**18.0**	**18.6**	NA	NA		NA		NA	3	20	
MATRIX SPIKES											
Laboratory ID:	04-062-02										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**74.4**	**74.4**	80.0	80.0	ND	**93**	**93**	75-125	0	20	
Manganese	**84.0**	**84.8**	80.0	80.0	18.0	**83**	**84**	75-125	1	20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

TOTAL ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	
Client ID:	**HZ-MW-12:W**					
Laboratory ID:	04-056-02					
Arsenic	**3.6**	3.3	EPA 200.8	4-10-20	4-10-20	
Client ID:	**HZ-MW-17:W**					
Laboratory ID:	04-056-03					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

TOTAL ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410WM1					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-124-04										
	ORIG	DUP									
Arsenic	**4.49**	**5.20**	NA	NA		NA		NA	15	20	
MATRIX SPIKES											
Laboratory ID:	03-124-04										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**128**	**115**	111	111	4.49	**111**	**100**	75-125	11	20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DISSOLVED GASES
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Methane	**3100**	17	RSK 175	4-10-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

DISSOLVED GASES
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Methane	**ND**	0.55	RSK 175	4-10-20	4-10-20	

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANK										
Laboratory ID:	SB0410W1									
	SB	SBD	SB	SBD	SB	SBD				
Methane	**23.0**	**22.6**	22.1	22.1	104	102	75-125	2	25	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BC-16:W**					
Laboratory ID:	04-056-01					
Total Alkalinity	**520**	2.0	SM 2320B	4-9-20	4-9-20	

Date of Report: April 21, 2020
Samples Submitted: April 8, 2020
Laboratory Reference: 2004-056
Project: 82302-15.3

TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409W1					
Total Alkalinity	**ND**	2.0	SM 2320B	4-9-20	4-9-20	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-047-01								
	ORIG	DUP							
Total Alkalinity	**ND**	**ND**	NA	NA	NA	NA	NA	10	
SPIKE BLANK									
Laboratory ID:	SB0409W1								
	SB		SB		SB				
Total Alkalinity	**98.0**		100	NA	98	88-110	NA	NA	

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-naphthalene) 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 methods 8260 & 8270, 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

Chain of Custody

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

Company: Kane Environmental
Project Number: 82302-15.3
Project Name: Bothell Hertz
Project Manager: Jeff Jensen
Sampled by: mike Espinoza

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

Laboratory Number: 04-056

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	~~TCLP Metals~~ Sulfate	~~HEM (oil and grease) 1664A~~ nitrate	dissolved HS	total HS	dissolved Mn	methane	% Moisture Alkalinity
1	BC-16:W	4/8	10:15	GW	9				X												X	X	X	X	X	X	X
2	HZ-MW-12:W	4/8	12:24	GW	2																		X	X			
3	HZ-MW-17:W	4/8	15:00	GW	2																		X	X			

mE

	Signature	Company	Date	Time
Relinquished	[signature]	Kane Env.	4/8/20	15:15
Received	[signature]	OSE	4/8/20	1515
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Lab filter

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

April 21, 2020

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-15.3
Laboratory Reference No. 2004-062

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on April 9, 2020.

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

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

Case Narrative

Samples were collected on April 9, 2020 and received by the laboratory on April 9, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot of each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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.

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Diesel Range Organics	**0.43**	0.21	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**0.37**	0.21	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Diesel Range Organics	**0.30**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**0.76**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*99*	*50-150*				

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-10-20	4-10-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	SB0410W1									
	ORIG	DUP								
Diesel Fuel #2	**0.431**	**0.366**	NA	NA		NA	NA	16	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*97* *100*	*50-150*			

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Sulfate	**13**	5.0	ASTM D516-11	4-13-20	4-13-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Sulfate	**19**	5.0	ASTM D516-11	4-13-20	4-13-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
Sulfate	**ND**	5.0	ASTM D516-11	4-13-20	4-13-20	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-045-01							
	ORIG DUP							
Sulfate	**ND** **ND**	NA	NA	NA	NA	NA	10	
MATRIX SPIKE								
Laboratory ID:	04-045-01							
	MS	MS		MS				
Sulfate	**11.7**	10.0	ND	117	73-134	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0413W1							
	SB	SB		SB				
Sulfate	**10.3**	10.0	NA	103	89-113	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Nitrate	**0.24**	0.050	EPA 353.2	4-14-20	4-14-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Nitrate	**ND**	0.050	EPA 353.2	4-14-20	4-14-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414W1					
Nitrate	**ND**	0.050	EPA 353.2	4-14-20	4-14-20	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-056-01								
	ORIG	DUP							
Nitrate	**ND**	**ND**	NA	NA	NA	NA	NA	13	
MATRIX SPIKE									
Laboratory ID:	04-056-01								
	MS		MS		MS				
Nitrate	**2.23**		2.00	ND	112	90-127	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0414W1								
	SB		SB		SB				
Nitrate	**2.18**		2.00	NA	109	90-125	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Arsenic	**ND**	3.0	EPA 200.8	4-9-20	4-10-20	
Manganese	**71**	10	EPA 200.8	4-9-20	4-10-20	
Client ID:	**HZ-MW-1:W**					
Laboratory ID:	04-062-02					
Arsenic	**ND**	3.0	EPA 200.8	4-9-20	4-10-20	
Client ID:	**HZ-MW-4:W**					
Laboratory ID:	04-062-03					
Arsenic	**ND**	3.0	EPA 200.8	4-9-20	4-10-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Arsenic	**19**	3.0	EPA 200.8	4-9-20	4-10-20	
Manganese	**3400**	250	EPA 200.8	4-9-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DISSOLVED METALS
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409F1					
Arsenic	**ND**	3.0	EPA 200.8	4-9-20	4-10-20	
Manganese	**ND**	10	EPA 200.8	4-9-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-062-02										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**18.0**	**18.6**	NA	NA		NA		NA	3	20	
MATRIX SPIKES											
Laboratory ID:	04-062-02										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**74.4**	**74.4**	80.0	80.0	ND	**93**	**93**	75-125	0	20	
Manganese	**84.0**	**84.8**	80.0	80.0	18.0	**83**	**84**	75-125	1	20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DISSOLVED GASES
RSK 175

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Methane	**60**	0.55	RSK 175	4-10-20	4-10-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Methane	**6500**	55	RSK 175	4-10-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

DISSOLVED GASES
RSK 175
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Methane	**ND**	0.55	RSK 175	4-10-20	4-10-20	

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANK										
Laboratory ID:	SB0410W1									
	SB	SBD	SB	SBD	SB	SBD				
Methane	**23.0**	**22.6**	22.1	22.1	104	102	75-125	2	25	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Total Alkalinity	**120**	2.0	SM 2320B	4-15-20	4-15-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Total Alkalinity	**410**	2.0	SM 2320B	4-15-20	4-15-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0415W1					
Total Alkalinity	**ND**	2.0	SM 2320B	4-15-20	4-15-20	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-062-01								
	ORIG	DUP							
Total Alkalinity	**122**	**118**	NA	NA	NA	NA	3	10	
SPIKE BLANK									
Laboratory ID:	SB0415W1								
	SB		SB		SB				
Total Alkalinity	**98.0**		100	NA	98	88-110	NA	NA	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

TOTAL ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**HZ-MW-19:W**					
Laboratory ID:	04-062-01					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	
Client ID:	**HZ-MW-1:W**					
Laboratory ID:	04-062-02					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	
Client ID:	**HZ-MW-4:W**					
Laboratory ID:	04-062-03					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	
Client ID:	**BLMW-8R:W**					
Laboratory ID:	04-062-04					
Arsenic	**31**	3.3	EPA 200.8	4-10-20	4-10-20	

Date of Report: April 21, 2020
Samples Submitted: April 9, 2020
Laboratory Reference: 2004-062
Project: 82302-15.3

TOTAL ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410WM1					
Arsenic	**ND**	3.3	EPA 200.8	4-10-20	4-10-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-124-04										
	ORIG	DUP									
Arsenic	**4.49**	**5.20**	NA	NA		NA		NA	15	20	
MATRIX SPIKES											
Laboratory ID:	03-124-04										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**128**	**115**	111	111	4.49	**111**	**100**	75-125	11	20	

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-naphthalene) 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 methods 8260 & 8270, 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

Chain of Custody

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

Company: Kane Environmental
Project Number: ~~82302~~ 82302-15.3
Project Name: Bothell Hertz
Project Manager: Jeff Jensen
Sampled by: Mike Espinoza

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

Laboratory Number: 04-062

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	~~TOC~~ Metals Sulfate	HEM (oil and grease) 1664A Nitrate	dissolved Mn	methane	Alkalinity	dissolved IAS	~~% Moisture~~ total IAS
1	HZ-mw-19:W	4/9	0917	GW	9				X												X	X	X	X	X	X	X
2	HZ-mw-1:W	4/9	1122	GW	2																				●	X	X
3	HZ-mw-4:W	4/9	1219	GW	2																					X	X
4	BLMW-8R:W	4/9	1315	GW	9				X												X	X	X	X	X	X	X

	Signature	Company	Date	Time
Relinquished	Mike Espinoza	Kane Env.	4/9/20	14:17
Received	[illegible]	OSE	4/9/20	14:17
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
lab filter

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

April 16, 2020

Jeff Jensen
Kane Environmental, Inc.
4015 13th Avenue West
Seattle, WA 98119

Re: Analytical Data for Project 82302-14.3
Laboratory Reference No. 2004-069

Dear Jeff:

Enclosed are the analytical results and associated quality control data for samples submitted on April 10, 2020.

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

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

Case Narrative

Samples were collected on April 10, 2020 and received by the laboratory on April 10, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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.

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BLMW-11:W**					
Laboratory ID:	04-069-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Lube Oil Range Organics	**0.27**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				
Client ID:	**BLMW-12:W**					
Laboratory ID:	04-069-02					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				
Client ID:	**MW-1:W**					
Laboratory ID:	04-069-03					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Lube Oil Range Organics	**0.41**	0.21	NWTPH-Dx	4-13-20	4-14-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-13-20	4-14-20	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-13-20	4-14-20	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*81*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0413W1										
	ORIG	DUP									
Diesel Fuel #2	**0.394**	**0.367**	NA	NA		NA		NA	7	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*97*	*89*	*50-150*			

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

TOTAL ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BLMW-11:W**					
Laboratory ID:	04-069-01					
Arsenic	**7.4**	3.3	EPA 200.8	4-15-20	4-15-20	
Client ID:	**BLMW-12:W**					
Laboratory ID:	04-069-02					
Arsenic	**ND**	3.3	EPA 200.8	4-15-20	4-15-20	
Client ID:	**MW-1:W**					
Laboratory ID:	04-069-03					
Arsenic	**9.6**	3.3	EPA 200.8	4-15-20	4-15-20	

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

TOTAL ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0415WM1					
Arsenic	**ND**	3.3	EPA 200.8	4-15-20	4-15-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-085-01										
	ORIG	DUP									
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	04-085-01										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**134**	**123**	111	111	ND	**121**	**111**	75-125	9	20	

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

DISSOLVED ARSENIC
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**BLMW-11:W**					
Laboratory ID:	04-069-01					
Arsenic	**5.3**	3.0	EPA 200.8	4-10-20	4-15-20	
Client ID:	**BLMW-12:W**					
Laboratory ID:	04-069-02					
Arsenic	**ND**	3.0	EPA 200.8	4-10-20	4-15-20	
Client ID:	**MW-1:W**					
Laboratory ID:	04-069-03					
Arsenic	**8.2**	3.0	EPA 200.8	4-10-20	4-15-20	

Date of Report: April 16, 2020
Samples Submitted: April 10, 2020
Laboratory Reference: 2004-069
Project: 82302-14.3

DISSOLVED ARSENIC
EPA 200.8
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0415WM1					
Arsenic	**ND**	3.0	EPA 200.8	4-10-20	4-15-20	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-069-03										
	ORIG	DUP									
Arsenic	**8.20**	**7.58**	NA	NA		NA		NA	8	20	
MATRIX SPIKES											
Laboratory ID:	04-069-03										
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	**82.6**	**86.8**	80.0	80.0	8.20	**93**	**98**	75-125	5	20	

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-naphthalene) 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 methods 8260 & 8270, 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

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: Kane Environmental
Project Number: 82302-14.3
Project Name: Bothell Landing
Project Manager: Jeff Jensen
Sampled by: M. Espinoza

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☑ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 04-069

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	total As	dissolved As			% Moisture
1	BLMW-11:W	4/10/20	0900	GW	4				X														X	X			
2	BLMW-12:W	4/10/20	1054	GW	4				X														X	X			
3	MW-1:W	4/10/20	1227	GW	4				X														X	X			

	Signature	Company	Date	Time
Relinquished	Mike Espinoza	Kane Env.	4/10/20	13:30
Received			4/10/20	1330
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

lab filter

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐