Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

PRELIMINARY RESULTS

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	573594-001		573594-002		573594-003		573594-004		573594-005		573594-006	
	Field Id:	BG 0-2		BG 2-4		BG 4-6		BG 6-8		BG 8-10		SB1 0-2	
	Depth:	2'-		4'-		6'-		8'-		10'-		2'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-10-18 13:00		Jan-10-18 13:10		Jan-10-18 13:20		Jan-10-18 13:30		Jan-10-18 13:40		Jan-10-18 16:00	
BTEX by EPA 8021B	***Extracted:***	Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00	
	Analyzed:	Jan-16-18 22:57		Jan-16-18 23:16		Jan-16-18 23:36		Jan-16-18 23:55		Jan-17-18 00:14		Jan-17-18 00:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399	<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15	
	Analyzed:	Jan-18-18 18:37		Jan-18-18 18:58		Jan-18-18 19:05		Jan-18-18 19:12		Jan-18-18 19:19		Jan-18-18 19:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.97	4.97	<4.99	4.99	<4.98	4.98	<4.91	4.91	<4.98	4.98	<4.98	4.98
TPH By SW8015 Mod	***Extracted:***	Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00	
	Analyzed:	Jan-16-18 11:59		Jan-16-18 13:07		Jan-16-18 13:30		Jan-16-18 13:54		Jan-16-18 14:18		Jan-16-18 14:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0

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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager

Final 1.000

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	573594-007		573594-008		573594-009		573594-010		573594-011		573594-012	
	Field Id:	SB1 2-4		SB1 4-6		SB1 6-8		SB1 8-10		SB2 0-2		SB2 2-4	
	Depth:	4'-		6'-		8'-		10'-		2'-		4'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-10-18 16:10		Jan-10-18 16:20		Jan-10-18 16:30		Jan-10-18 16:40		Jan-11-18 08:00		Jan-11-18 08:10	
BTEX by EPA 8021B	***Extracted:***	Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00	
	Analyzed:	Jan-17-18 00:52		Jan-17-18 01:12		Jan-17-18 01:29		Jan-17-18 01:48		Jan-17-18 02:45		Jan-17-18 03:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00403	0.00403	<0.00401	0.00401	<0.00399	0.00399	<0.00396	0.00396	<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15	
	Analyzed:	Jan-18-18 19:33		Jan-18-18 19:54		Jan-18-18 20:01		Jan-18-18 20:22		Jan-18-18 20:29		Jan-18-18 20:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.93	4.93	<4.94	4.94	<4.98	4.98	<4.97	4.97	<4.92	4.92	<4.98	4.98
TPH By SW8015 Mod	***Extracted:***	Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00	
	Analyzed:	Jan-16-18 15:06		Jan-16-18 15:31		Jan-16-18 15:55		Jan-16-18 16:21		Jan-16-18 17:34		Jan-16-18 17:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Final 1.000

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested	*Lab Id:*	573594-013		573594-014		573594-015		573594-016		573594-017		573594-018	
	Field Id:	SB2 4-6		SB2 6-8		SB2 8-10		SB3 0-2		SB3 2-4		SB3 4-6	
	Depth:	6'-		8'-		10'-		2'-		4'-		6'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 08:20		Jan-11-18 08:30		Jan-11-18 08:40		Jan-11-18 09:00		Jan-11-18 09:10		Jan-11-18 09:20	
BTEX by EPA 8021B	*Extracted:*	Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00		Jan-16-18 17:00	
	Analyzed:	Jan-17-18 03:23		Jan-17-18 03:41		Jan-17-18 04:00		Jan-17-18 04:19		Jan-17-18 04:38		Jan-17-18 04:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.00401	0.00401	<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	*Extracted:*	Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 16:15		Jan-17-18 17:05		Jan-17-18 17:05	
	Analyzed:	Jan-18-18 20:43		Jan-18-18 20:50		Jan-18-18 20:57		Jan-18-18 21:04		Jan-18-18 22:06		Jan-18-18 22:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.94	4.94	<4.97	4.97	<4.95	4.95	2980	24.8	2700	24.7	2880	24.9
TPH By SW8015 Mod	*Extracted:*	Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 10:00	
	Analyzed:	Jan-16-18 18:24		Jan-16-18 18:50		Jan-16-18 19:15		Jan-16-18 19:40		Jan-16-18 20:05		Jan-16-18 20:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested	*Lab Id:*	573594-019		573594-020		573594-021		573594-022		573594-023		573594-024	
	Field Id:	SB3 6-8		SB3 8-10		SB4 0-2		SB4 2-4		SB4 4-6		SB4 6-8	
	Depth:	8'-		10'-		2'-		4'-		6'-		8'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 09:30		Jan-11-18 09:40		Jan-11-18 10:00		Jan-11-18 10:10		Jan-11-18 10:20		Jan-11-18 10:30	
BTEX by EPA 8021B	*Extracted:*	Jan-16-18 17:00		Jan-18-18 08:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00	
	Analyzed:	Jan-17-18 05:16		Jan-18-18 13:35		Jan-17-18 20:35		Jan-17-18 20:55		Jan-17-18 21:15		Jan-17-18 21:35	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00402	0.00402	<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05	
	Analyzed:	Jan-18-18 21:46		Jan-18-18 22:20		Jan-18-18 22:27		Jan-18-18 22:48		Jan-18-18 22:55		Jan-18-18 23:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		246	4.97	483	4.99	2960	24.8	6060	49.8	1120	4.98	215	4.97
TPH By SW8015 Mod	*Extracted:*	Jan-16-18 10:00		Jan-16-18 10:00		Jan-16-18 16:00		Jan-16-18 16:00		Jan-16-18 16:00		Jan-16-18 16:00	
	Analyzed:	Jan-16-18 20:55		Jan-16-18 21:20		Jan-17-18 03:24		Jan-17-18 07:17		Jan-17-18 07:39		Jan-17-18 08:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested															
	Lab Id:	573594-025		573594-026		573594-027		573594-028		573594-029		573594-030	
	Field Id:	SB4 8-10 (1)		SB4 8-10 (2)		SB5 0-2		SB5 2-4		SB5 4-6		SB5 6-8	
	Depth:	10'-		10'-		2'-		4'-		6'-		8'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 10:40		Jan-11-18 10:40		Jan-11-18 10:45		Jan-11-18 10:50		Jan-11-18 10:55		Jan-11-18 11:00	
BTEX by EPA 8021B	***Extracted:***	Jan-17-18 16:00		Jan-17-18 16:00		Jan-18-18 08:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00	
	Analyzed:	Jan-17-18 21:54		Jan-17-18 22:14		Jan-18-18 16:50		Jan-17-18 22:53		Jan-17-18 23:13		Jan-17-18 23:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00683	0.00683	<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00341	0.00341	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05	
	Analyzed:	Jan-18-18 23:09		Jan-18-18 23:23		Jan-18-18 23:16		Jan-18-18 23:44		Jan-18-18 23:51		Jan-19-18 00:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		549	4.97	127	4.98	2770	25.0	938	4.96	19.0	5.00	20.5	4.97
TPH By SW8015 Mod	***Extracted:***	Jan-16-18 16:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00	
	Analyzed:	Jan-17-18 08:23		Jan-18-18 09:25		Jan-18-18 10:25		Jan-18-18 10:45		Jan-18-18 11:05		Jan-18-18 11:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested	*Lab Id:*	573594-031		573594-032		573594-033		573594-034		573594-035		573594-036	
	Field Id:	SB5 8-10		SB6 0-2		SB6 2-4		SB6 4-6		SB6 6-8		SB6 8-10	
	Depth:	10'-		2'-		4'-		6'-		8'-		10'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 11:05		Jan-11-18 11:30		Jan-11-18 11:40		Jan-11-18 11:50		Jan-11-18 12:00		Jan-11-18 12:10	
BTEX by EPA 8021B	*Extracted:*	Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00	
	Analyzed:	Jan-18-18 00:32		Jan-18-18 00:51		Jan-18-18 01:11		Jan-18-18 01:31		Jan-18-18 01:51		Jan-18-18 02:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
m,p-Xylenes		<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399	<0.00402	0.00402	<0.00398	0.00398	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05		Jan-17-18 17:05	
	Analyzed:	Jan-19-18 00:19		Jan-19-18 00:26		Jan-19-18 00:33		Jan-19-18 00:40		Jan-19-18 00:47		Jan-19-18 00:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		59.2	4.98	2760	24.9	2700	24.9	4100	25.0	1010	4.99	834	4.99
TPH By SW8015 Mod	*Extracted:*	Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00	
	Analyzed:	Jan-18-18 11:43		Jan-18-18 12:03		Jan-18-18 12:25		Jan-18-18 12:45		Jan-18-18 13:04		Jan-18-18 14:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	573594-037		573594-038		573594-039		573594-040		573594-041		573594-042	
	Field Id:	SB7 0-2		SB7 2-4		SB7 4-6		SB7 6-8		SB7 8-10		SB7 10-12	
	Depth:	2'-		4'-		6'-		8'-		10'-		12'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 13:00		Jan-11-18 13:10		Jan-11-18 13:20		Jan-11-18 13:30		Jan-11-18 13:40		Jan-11-18 13:50	
BTEX by EPA 8021B	***Extracted:***	Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 16:00		Jan-17-18 09:00		Jan-17-18 09:00	
	Analyzed:	Jan-18-18 02:30		Jan-18-18 02:50		Jan-18-18 09:27		Jan-18-18 09:46		Jan-17-18 10:18		Jan-17-18 10:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00404	0.00404	<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35	
	Analyzed:	Jan-18-18 09:26		Jan-18-18 09:47		Jan-18-18 09:54		Jan-18-18 10:01		Jan-18-18 10:08		Jan-18-18 10:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		224	5.00	19.4	4.97	<4.99	4.99	<4.95	4.95	43.8	4.94	26.3	4.91
TPH By SW8015 Mod	***Extracted:***	Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00	
	Analyzed:	Jan-18-18 14:25		Jan-18-18 14:45		Jan-18-18 15:04		Jan-18-18 15:24		Jan-18-18 15:44		Jan-18-18 16:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Final 1.000

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	573594-043		573594-044		573594-045		573594-046		573594-047		573594-048	
	Field Id:	SB7 12-14		SB7 14-16		SB8 0-2		SB8 2-4		SB8 4-6		SB8 6-8	
	Depth:	14'-		16'-		2'-		4'-		6'-		8'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 14:00		Jan-11-18 14:10		Jan-11-18 14:20		Jan-11-18 14:30		Jan-11-18 14:40		Jan-11-18 14:50	
BTEX by EPA 8021B	***Extracted:***	Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00	
	Analyzed:	Jan-17-18 10:57		Jan-17-18 11:16		Jan-17-18 11:35		Jan-17-18 11:54		Jan-17-18 12:14		Jan-17-18 12:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00403	0.00403	<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35	
	Analyzed:	Jan-18-18 10:36		Jan-18-18 10:43		Jan-18-18 10:50		Jan-18-18 10:57		Jan-18-18 11:04		Jan-18-18 11:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.95	4.95	<4.95	4.95	889	4.99	7.92	4.94	<4.99	4.99	<4.99	4.99
TPH By SW8015 Mod	***Extracted:***	Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00	
	Analyzed:	Jan-18-18 16:25		Jan-18-18 16:44		Jan-18-18 17:03		Jan-18-18 18:46		Jan-18-18 19:45		Jan-18-18 20:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested	*Lab Id:*	573594-049		573594-050		573594-051		573594-052		573594-053		573594-054	
	Field Id:	SB8 8-10		SB8 10-12 (1)		SB8 10-12 (2)		SB8 12-14		SB8 14-16		SB9 0-2	
	Depth:	10'-		12'-		12'-		14'-		16'-		2'-	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-11-18 15:00		Jan-11-18 15:10		Jan-11-18 15:20		Jan-11-18 15:30		Jan-11-18 15:40		Jan-11-18 15:50	
BTEX by EPA 8021B	*Extracted:*	Jan-18-18 08:00		Jan-18-18 08:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00	
	Analyzed:	Jan-18-18 12:56		Jan-18-18 13:16		Jan-17-18 14:17		Jan-17-18 14:36		Jan-17-18 14:56		Jan-17-18 15:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
Toluene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
Ethylbenzene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
m,p-Xylenes		<0.00397	0.00397	<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398	<0.00397	0.00397	<0.00396	0.00396
o-Xylene		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
Total BTEX		<0.00198	0.00198	<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00198	0.00198
Chloride by EPA 300	*Extracted:*	Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 08:35	
	Analyzed:	Jan-18-18 11:31		Jan-18-18 12:06		Jan-18-18 12:13		Jan-18-18 12:20		Jan-18-18 12:27		Jan-18-18 12:34	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<4.92	4.92	105	4.93	<4.95	4.95	<4.96	4.96	<4.94	4.94	<4.91	4.91
TPH By SW8015 Mod	*Extracted:*	Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00	
	Analyzed:	Jan-18-18 20:26		Jan-18-18 20:45		Jan-18-18 21:05		Jan-18-18 21:26		Jan-18-18 21:49		Jan-18-18 22:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager

Certificate of Analysis Summary 573594

OWL SWD Operating LLC, Dallas, TX

Project Name: 1RP-4860

Project Id: OWL102217D
Contact: Phillip Sanders
Project Location: Jal NM

Date Received in Lab: Tue Jan-16-18 09:00 am
Report Date: 19-JAN-18
Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	573594-055		573594-056		573594-057		573594-058			
	Field Id:	SB9 2-4		SB9 4-6		SB9 6-8		SB9 8-10			
	Depth:	4'-		6'-		8'-		10'-			
	Matrix:	SOIL		SOIL		SOIL		SOIL			
	Sampled:	Jan-11-18 16:00		Jan-11-18 16:10		Jan-11-18 16:20		Jan-11-18 16:30			
BTEX by EPA 8021B	***Extracted:***	Jan-17-18 09:00		Jan-17-18 09:00		Jan-17-18 09:00		Jan-18-18 08:00			
	Analyzed:	Jan-17-18 15:34		Jan-17-18 15:54		Jan-17-18 16:20		Jan-18-18 17:09			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398	<0.00401	0.00401		
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200		
Chloride by EPA 300	***Extracted:***	Jan-18-18 08:35		Jan-18-18 08:35		Jan-18-18 16:00		Jan-18-18 16:00			
	Analyzed:	Jan-18-18 12:41		Jan-18-18 12:48		Jan-19-18 01:57		Jan-19-18 02:04			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		<4.94	4.94	<4.94	4.94	<4.91	4.91	<4.98	4.98		
TPH By SW8015 Mod	***Extracted:***	Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00		Jan-18-18 07:00			
	Analyzed:	Jan-18-18 22:30		Jan-18-18 23:32		Jan-18-18 23:52		Jan-19-18 00:12			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0		

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Kelsey Brooks
Project Manager

Analytical Report 573594

for

OWL SWD Operating LLC

Project Manager: Phillip Sanders

1RP-4860

OWL102217D

19-JAN-18

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):
Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

19-JAN-18

Project Manager: **Phillip Sanders**
OWL SWD Operating LLC
8214 Westchester Dr. Suite 850
Dallas, TX 75225

Reference: XENCO Report No(s): **573594**
1RP-4860
Project Address: Jal NM

Phillip Sanders:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 573594. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 573594 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BG 0-2	S	01-10-18 13:00	2'	573594-001
BG 2-4	S	01-10-18 13:10	4'	573594-002
BG 4-6	S	01-10-18 13:20	6'	573594-003
BG 6-8	S	01-10-18 13:30	8'	573594-004
BG 8-10	S	01-10-18 13:40	10'	573594-005
SB1 0-2	S	01-10-18 16:00	2'	573594-006
SB1 2-4	S	01-10-18 16:10	4'	573594-007
SB1 4-6	S	01-10-18 16:20	6'	573594-008
SB1 6-8	S	01-10-18 16:30	8'	573594-009
SB1 8-10	S	01-10-18 16:40	10'	573594-010
SB2 0-2	S	01-11-18 08:00	2'	573594-011
SB2 2-4	S	01-11-18 08:10	4'	573594-012
SB2 4-6	S	01-11-18 08:20	6'	573594-013
SB2 6-8	S	01-11-18 08:30	8'	573594-014
SB2 8-10	S	01-11-18 08:40	10'	573594-015
SB3 0-2	S	01-11-18 09:00	2'	573594-016
SB3 2-4	S	01-11-18 09:10	4'	573594-017
SB3 4-6	S	01-11-18 09:20	6'	573594-018
SB3 6-8	S	01-11-18 09:30	8'	573594-019
SB3 8-10	S	01-11-18 09:40	10'	573594-020
SB4 0-2	S	01-11-18 10:00	2'	573594-021
SB4 2-4	S	01-11-18 10:10	4'	573594-022
SB4 4-6	S	01-11-18 10:20	6'	573594-023
SB4 6-8	S	01-11-18 10:30	8'	573594-024
SB4 8-10 (1)	S	01-11-18 10:40	10'	573594-025
SB4 8-10 (2)	S	01-11-18 10:40	10'	573594-026
SB5 0-2	S	01-11-18 10:45	2'	573594-027
SB5 2-4	S	01-11-18 10:50	4'	573594-028
SB5 4-6	S	01-11-18 10:55	6'	573594-029
SB5 6-8	S	01-11-18 11:00	8'	573594-030
SB5 8-10	S	01-11-18 11:05	10'	573594-031
SB6 0-2	S	01-11-18 11:30	2'	573594-032
SB6 2-4	S	01-11-18 11:40	4'	573594-033
SB6 4-6	S	01-11-18 11:50	6'	573594-034
SB6 6-8	S	01-11-18 12:00	8'	573594-035
SB6 8-10	S	01-11-18 12:10	10'	573594-036
SB7 0-2	S	01-11-18 13:00	2'	573594-037
SB7 2-4	S	01-11-18 13:10	4'	573594-038
SB7 4-6	S	01-11-18 13:20	6'	573594-039
SB7 6-8	S	01-11-18 13:30	8'	573594-040
SB7 8-10	S	01-11-18 13:40	10'	573594-041
SB7 10-12	S	01-11-18 13:50	12'	573594-042
SB7 12-14	S	01-11-18 14:00	14'	573594-043

SB7 14-16	S	01-11-18 14:10	16'	573594-044
SB8 0-2	S	01-11-18 14:20	2'	573594-045
SB8 2-4	S	01-11-18 14:30	4'	573594-046
SB8 4-6	S	01-11-18 14:40	6'	573594-047
SB8 6-8	S	01-11-18 14:50	8'	573594-048
SB8 8-10	S	01-11-18 15:00	10'	573594-049
SB8 10-12 (1)	S	01-11-18 15:10	12'	573594-050
SB8 10-12 (2)	S	01-11-18 15:20	12'	573594-051
SB8 12-14	S	01-11-18 15:30	14'	573594-052
SB8 14-16	S	01-11-18 15:40	16'	573594-053
SB9 0-2	S	01-11-18 15:50	2'	573594-054
SB9 2-4	S	01-11-18 16:00	4'	573594-055
SB9 4-6	S	01-11-18 16:10	6'	573594-056
SB9 6-8	S	01-11-18 16:20	8'	573594-057
SB9 8-10	S	01-11-18 16:30	10'	573594-058

CASE NARRATIVE

Client Name: OWL SWD Operating LLC
Project Name: 1RP-4860

Project ID: *OWL102217D*
Work Order Number(s): *573594*

Report Date: *19-JAN-18*
Date Received: *01/16/2018*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3038415 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Lab Sample ID 573594-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 573594-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019.
The Laboratory Control Sample for m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3038601 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3038602 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3038608 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3038661 Chloride by EPA 300
Lab Sample ID 573594-007 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 573594-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-001	Date Collected:	01.10.18 13.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	01.18.18 18.37	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 11.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 11.59	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 11.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 11.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	01.16.18 11.59	
o-Terphenyl	84-15-1	76	%	70-135	01.16.18 11.59	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-001	Date Collected:	01.10.18 13.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.16.18 22.57	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.16.18 22.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.16.18 22.57	
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.16.18 22.57	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-002	Date Collected:	01.10.18 13.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	01.18.18 18.58	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 13.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 13.07	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 13.07	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 13.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	01.16.18 13.07	
o-Terphenyl	84-15-1	73	%	70-135	01.16.18 13.07	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-002	Date Collected:	01.10.18 13.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.16.18 23.16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.16.18 23.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	80-120	01.16.18 23.16	
4-Bromofluorobenzene	460-00-4	86	%	80-120	01.16.18 23.16	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-003	Date Collected:	01.10.18 13.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.18.18 19.05	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 13.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 13.30	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 13.30	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 13.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-135	01.16.18 13.30	
o-Terphenyl	84-15-1	79	%	70-135	01.16.18 13.30	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-003	Date Collected:	01.10.18 13.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.16.18 23.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.16.18 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.16.18 23.36	
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.16.18 23.36	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-004	Date Collected:	01.10.18 13.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.91	4.91	mg/kg	01.18.18 19.12	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	01.16.18 13.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	01.16.18 13.54	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	01.16.18 13.54	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	01.16.18 13.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	01.16.18 13.54	
o-Terphenyl	84-15-1	80	%	70-135	01.16.18 13.54	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-004	Date Collected:	01.10.18 13.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.16.18 23.55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.16.18 23.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.16.18 23.55	
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.16.18 23.55	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-005	Date Collected:	01.10.18 13.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.18.18 19.19	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 14.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 14.18	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 14.18	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 14.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	01.16.18 14.18	
o-Terphenyl	84-15-1	76	%	70-135	01.16.18 14.18	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**BG 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-005	Date Collected:	01.10.18 13.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 00.14	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 00.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.17.18 00.14	
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 00.14	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-006	Date Collected:	01.10.18 16.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.18.18 19.26	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 14.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 14.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 14.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 14.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-135	01.16.18 14.42	
o-Terphenyl	84-15-1	73	%	70-135	01.16.18 14.42	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-006	Date Collected:	01.10.18 16.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 00.33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 00.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.17.18 00.33	
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 00.33	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-007	Date Collected:	01.10.18 16.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.93	4.93	mg/kg	01.18.18 19.33	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 15.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 15.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 15.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 15.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-135	01.16.18 15.06	
o-Terphenyl	84-15-1	75	%	70-135	01.16.18 15.06	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-007	Date Collected:	01.10.18 16.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 00.52	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 00.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.17.18 00.52	
1,4-Difluorobenzene	540-36-3	95	%	80-120	01.17.18 00.52	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-008	Date Collected:	01.10.18 16.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	01.18.18 19.54	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 15.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 15.31	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 15.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 15.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	01.16.18 15.31	
o-Terphenyl	84-15-1	76	%	70-135	01.16.18 15.31	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-008	Date Collected:	01.10.18 16.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.17.18 01.12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.17.18 01.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	80-120	01.17.18 01.12	
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 01.12	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-009	Date Collected:	01.10.18 16.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.18.18 20.01	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 15.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 15.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 15.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 15.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-135	01.16.18 15.55	
o-Terphenyl	84-15-1	76	%	70-135	01.16.18 15.55	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-009	Date Collected:	01.10.18 16.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 01.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 01.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	80-120	01.17.18 01.29	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.17.18 01.29	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-010	Date Collected:	01.10.18 16.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	01.18.18 20.22	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 16.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 16.21	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 16.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 16.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-135	01.16.18 16.21	
o-Terphenyl	84-15-1	71	%	70-135	01.16.18 16.21	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB1 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-010	Date Collected:	01.10.18 16.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 01.48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 01.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.17.18 01.48	
4-Bromofluorobenzene	460-00-4	88	%	80-120	01.17.18 01.48	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-011	Date Collected:	01.11.18 08.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.92	4.92	mg/kg	01.18.18 20.29	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 17.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 17.34	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 17.34	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 17.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-135	01.16.18 17.34	
o-Terphenyl	84-15-1	75	%	70-135	01.16.18 17.34	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-011	Date Collected:	01.11.18 08.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.17.18 02.45	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.17.18 02.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 02.45	
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 02.45	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-012	Date Collected:	01.11.18 08.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.18.18 20.36	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 17.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 17.59	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 17.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 17.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	01.16.18 17.59	
o-Terphenyl	84-15-1	75	%	70-135	01.16.18 17.59	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-012	Date Collected:	01.11.18 08.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 03.04	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 03.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 03.04	
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.17.18 03.04	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-013	Date Collected:	01.11.18 08.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	01.18.18 20.43	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 18.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 18.24	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 18.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	75	%	70-135	01.16.18 18.24	
o-Terphenyl	84-15-1	77	%	70-135	01.16.18 18.24	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-013	Date Collected:	01.11.18 08.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.17.18 03.23	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.17.18 03.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	80-120	01.17.18 03.23	
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 03.23	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-014	Date Collected:	01.11.18 08.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	01.18.18 20.50	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 18.50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 18.50	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 18.50	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 18.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-135	01.16.18 18.50	
o-Terphenyl	84-15-1	82	%	70-135	01.16.18 18.50	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-014	Date Collected:	01.11.18 08.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 03.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 03.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 03.41	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.17.18 03.41	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-015	Date Collected:	01.11.18 08.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.18.18 20.57	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 19.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 19.15	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 19.15	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 19.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	01.16.18 19.15	
o-Terphenyl	84-15-1	82	%	70-135	01.16.18 19.15	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB2 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-015	Date Collected:	01.11.18 08.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 04.00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 04.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 04.00	
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.17.18 04.00	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-016	Date Collected:	01.11.18 09.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 16.15	Basis:	Wet Weight
Seq Number:	3038661				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2980**	24.8	mg/kg	01.18.18 21.04		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 19.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 19.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 19.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 19.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	01.16.18 19.40	
o-Terphenyl	84-15-1	80	%	70-135	01.16.18 19.40	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-016	Date Collected:	01.11.18 09.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 04.19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 04.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 04.19	
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.17.18 04.19	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-017	Date Collected:	01.11.18 09.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2700**	24.7	mg/kg	01.18.18 22.06		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 20.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 20.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 20.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 20.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	01.16.18 20.05	
o-Terphenyl	84-15-1	79	%	70-135	01.16.18 20.05	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-017	Date Collected:	01.11.18 09.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 04.38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 04.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 04.38	
4-Bromofluorobenzene	460-00-4	91	%	80-120	01.17.18 04.38	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-018	Date Collected:	01.11.18 09.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2880**	24.9	mg/kg	01.18.18 22.13		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 20.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 20.31	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 20.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 20.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	01.16.18 20.31	
o-Terphenyl	84-15-1	86	%	70-135	01.16.18 20.31	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-018	Date Collected:	01.11.18 09.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 04.57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 04.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	80-120	01.17.18 04.57	
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 04.57	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-019	Date Collected:	01.11.18 09.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**246**	4.97	mg/kg	01.18.18 21.46		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 20.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 20.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 20.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 20.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	01.16.18 20.55	
o-Terphenyl	84-15-1	88	%	70-135	01.16.18 20.55	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB3 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-019	Date Collected:	01.11.18 09.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.16.18 17.00	Basis:	Wet Weight
Seq Number:	3038415				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 05.16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 05.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 05.16	
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 05.16	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB3 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-020	Date Collected:	01.11.18 09.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**483**	4.99	mg/kg	01.18.18 22.20		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 10.00	Basis:	Wet Weight
Seq Number:	3038510				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.16.18 21.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.16.18 21.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.16.18 21.20	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.16.18 21.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	01.16.18 21.20	
o-Terphenyl	84-15-1	85	%	70-135	01.16.18 21.20	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB3 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-020	Date Collected:	01.11.18 09.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.18.18 08.00	Basis:	Wet Weight
Seq Number:	3038608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.18 13.35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.18 13.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	80-120	01.18.18 13.35	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.18.18 13.35	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB4 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-021	Date Collected:	01.11.18 10.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2960**	24.8	mg/kg	01.18.18 22.27		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 16.00	Basis:	Wet Weight
Seq Number:	3038511				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.17.18 03.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.17.18 03.24	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.17.18 03.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.17.18 03.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	01.17.18 03.24	
o-Terphenyl	84-15-1	88	%	70-135	01.17.18 03.24	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-021	Date Collected:	01.11.18 10.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.17.18 20.35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.17.18 20.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	80-120	01.17.18 20.35	
4-Bromofluorobenzene	460-00-4	85	%	80-120	01.17.18 20.35	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-022	Date Collected:	01.11.18 10.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6060**	49.8	mg/kg	01.18.18 22.48		10

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 16.00	Basis:	Wet Weight
Seq Number:	3038511				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.17.18 07.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.17.18 07.17	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.17.18 07.17	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.17.18 07.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	01.17.18 07.17	
o-Terphenyl	84-15-1	104	%	70-135	01.17.18 07.17	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-022	Date Collected:	01.11.18 10.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 20.55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 20.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	82	%	80-120	01.17.18 20.55	
4-Bromofluorobenzene	460-00-4	82	%	80-120	01.17.18 20.55	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-023	Date Collected:	01.11.18 10.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1120**	4.98	mg/kg	01.18.18 22.55		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 16.00	Basis:	Wet Weight
Seq Number:	3038511				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.17.18 07.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.17.18 07.39	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.17.18 07.39	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.17.18 07.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.17.18 07.39	
o-Terphenyl	84-15-1	91	%	70-135	01.17.18 07.39	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-023	Date Collected:	01.11.18 10.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 21.15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 21.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	80-120	01.17.18 21.15	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.17.18 21.15	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-024	Date Collected:	01.11.18 10.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**215**	4.97	mg/kg	01.18.18 23.02		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 16.00	Basis:	Wet Weight
Seq Number:	3038511				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.17.18 08.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.17.18 08.01	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.17.18 08.01	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.17.18 08.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.17.18 08.01	
o-Terphenyl	84-15-1	83	%	70-135	01.17.18 08.01	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-024	Date Collected:	01.11.18 10.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 21.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 21.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	80-120	01.17.18 21.35	
4-Bromofluorobenzene	460-00-4	81	%	80-120	01.17.18 21.35	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 8-10 (1)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-025	Date Collected:	01.11.18 10.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**549**	4.97	mg/kg	01.18.18 23.09		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.16.18 16.00	Basis:	Wet Weight
Seq Number:	3038511				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.17.18 08.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.17.18 08.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.17.18 08.23	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.17.18 08.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	01.17.18 08.23	
o-Terphenyl	84-15-1	89	%	70-135	01.17.18 08.23	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 8-10 (1)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-025	Date Collected:	01.11.18 10.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 21.54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 21.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.17.18 21.54	
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.17.18 21.54	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 8-10 (2)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-026	Date Collected:	01.11.18 10.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**127**	4.98	mg/kg	01.18.18 23.23		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 09.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 09.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 09.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 09.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	01.18.18 09.25	
o-Terphenyl	84-15-1	114	%	70-135	01.18.18 09.25	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB4 8-10 (2)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-026	Date Collected:	01.11.18 10.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.17.18 22.14	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.17.18 22.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.17.18 22.14	
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 22.14	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB5 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-027	Date Collected:	01.11.18 10.45	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2770**	25.0	mg/kg	01.18.18 23.16		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 10.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 10.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 10.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 10.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	01.18.18 10.25	
o-Terphenyl	84-15-1	92	%	70-135	01.18.18 10.25	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB5 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-027	Date Collected:	01.11.18 10.45	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.18.18 08.00	Basis:	Wet Weight
Seq Number:	3038608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	01.18.18 16.50	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1
Total BTEX		<0.00341	0.00341	mg/kg	01.18.18 16.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	80-120	01.18.18 16.50	
4-Bromofluorobenzene	460-00-4	86	%	80-120	01.18.18 16.50	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB5 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-028	Date Collected:	01.11.18 10.50	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**938**	4.96	mg/kg	01.18.18 23.44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 10.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 10.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 10.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 10.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.18.18 10.45	
o-Terphenyl	84-15-1	91	%	70-135	01.18.18 10.45	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB5 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-028	Date Collected:	01.11.18 10.50	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 22.53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 22.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.17.18 22.53	
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 22.53	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-029	Date Collected:	01.11.18 10.55	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.0**	5.00	mg/kg	01.18.18 23.51		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 11.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 11.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 11.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 11.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.18.18 11.05	
o-Terphenyl	84-15-1	98	%	70-135	01.18.18 11.05	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-029	Date Collected:	01.11.18 10.55	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 23.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 23.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	80-120	01.17.18 23.13	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.17.18 23.13	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-030	Date Collected:	01.11.18 11.00	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**20.5**	4.97	mg/kg	01.19.18 00.12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 11.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 11.24	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 11.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 11.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.18.18 11.24	
o-Terphenyl	84-15-1	96	%	70-135	01.18.18 11.24	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-030	Date Collected:	01.11.18 11.00	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 23.33	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 23.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	80-120	01.17.18 23.33	
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 23.33	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-031	Date Collected:	01.11.18 11.05	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**59.2**	4.98	mg/kg	01.19.18 00.19		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 11.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 11.43	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 11.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 11.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	01.18.18 11.43	
o-Terphenyl	84-15-1	91	%	70-135	01.18.18 11.43	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB5 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-031	Date Collected:	01.11.18 11.05	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.18 00.32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.18 00.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.18.18 00.32	
4-Bromofluorobenzene	460-00-4	96	%	80-120	01.18.18 00.32	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-032	Date Collected:	01.11.18 11.30	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2760**	24.9	mg/kg	01.19.18 00.26		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 12.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 12.03	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 12.03	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 12.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.18.18 12.03	
o-Terphenyl	84-15-1	92	%	70-135	01.18.18 12.03	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-032	Date Collected:	01.11.18 11.30	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.18 00.51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.18 00.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	80-120	01.18.18 00.51	
1,4-Difluorobenzene	540-36-3	86	%	80-120	01.18.18 00.51	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-033	Date Collected:	01.11.18 11.40	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2700**	24.9	mg/kg	01.19.18 00.33		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 12.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 12.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 12.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 12.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	01.18.18 12.25	
o-Terphenyl	84-15-1	75	%	70-135	01.18.18 12.25	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-033	Date Collected:	01.11.18 11.40	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.18.18 01.11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.18 01.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	80-120	01.18.18 01.11	
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.18.18 01.11	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-034	Date Collected:	01.11.18 11.50	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4100**	25.0	mg/kg	01.19.18 00.40		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 12.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 12.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 12.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 12.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	01.18.18 12.45	
o-Terphenyl	84-15-1	88	%	70-135	01.18.18 12.45	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-034	Date Collected:	01.11.18 11.50	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.18.18 01.31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.18.18 01.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	80-120	01.18.18 01.31	
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.18.18 01.31	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-035	Date Collected:	01.11.18 12.00	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1010**	4.99	mg/kg	01.19.18 00.47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 13.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 13.04	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 13.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 13.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.18.18 13.04	
o-Terphenyl	84-15-1	92	%	70-135	01.18.18 13.04	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-035	Date Collected:	01.11.18 12.00	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.18 01.51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.18 01.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.18.18 01.51	
4-Bromofluorobenzene	460-00-4	96	%	80-120	01.18.18 01.51	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-036	Date Collected:	01.11.18 12.10	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.17.18 17.05	Basis:	Wet Weight
Seq Number:	3038664				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**834**	4.99	mg/kg	01.19.18 00.54		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 14.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 14.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 14.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 14.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.18.18 14.06	
o-Terphenyl	84-15-1	94	%	70-135	01.18.18 14.06	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB6 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-036	Date Collected:	01.11.18 12.10	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.18 02.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.18 02.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	80-120	01.18.18 02.10	
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.18.18 02.10	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-037	Date Collected:	01.11.18 13.00	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**224**	5.00	mg/kg	01.18.18 09.26		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	01.18.18 14.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	01.18.18 14.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	01.18.18 14.25	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	01.18.18 14.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	01.18.18 14.25	
o-Terphenyl	84-15-1	92	%	70-135	01.18.18 14.25	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-037	Date Collected:	01.11.18 13.00	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.18.18 02.30	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.18 02.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	80-120	01.18.18 02.30	
1,4-Difluorobenzene	540-36-3	102	%	80-120	01.18.18 02.30	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-038	Date Collected:	01.11.18 13.10	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.4**	4.97	mg/kg	01.18.18 09.47		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 14.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 14.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 14.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 14.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	01.18.18 14.45	
o-Terphenyl	84-15-1	91	%	70-135	01.18.18 14.45	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-038	Date Collected:	01.11.18 13.10	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.18 02.50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.18 02.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.18.18 02.50	
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.18.18 02.50	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-039	Date Collected:	01.11.18 13.20	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	01.18.18 09.54	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 15.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 15.04	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 15.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 15.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	01.18.18 15.04	
o-Terphenyl	84-15-1	87	%	70-135	01.18.18 15.04	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-039	Date Collected:	01.11.18 13.20	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.18.18 09.27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.18.18 09.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	80-120	01.18.18 09.27	
1,4-Difluorobenzene	540-36-3	92	%	80-120	01.18.18 09.27	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-040	Date Collected:	01.11.18 13.30	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.18.18 10.01	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 15.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 15.24	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 15.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 15.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-135	01.18.18 15.24	
o-Terphenyl	84-15-1	82	%	70-135	01.18.18 15.24	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-040	Date Collected:	01.11.18 13.30	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 16.00	Basis:	Wet Weight
Seq Number:	3038602				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.18.18 09.46	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.18.18 09.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.18.18 09.46	
4-Bromofluorobenzene	460-00-4	113	%	80-120	01.18.18 09.46	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-041	Date Collected:	01.11.18 13.40	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.8**	4.94	mg/kg	01.18.18 10.08		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 15.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 15.44	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 15.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 15.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.18.18 15.44	
o-Terphenyl	84-15-1	95	%	70-135	01.18.18 15.44	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-041	Date Collected:	01.11.18 13.40	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 10.18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 10.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	80-120	01.17.18 10.18	
4-Bromofluorobenzene	460-00-4	91	%	80-120	01.17.18 10.18	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 10-12**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-042	Date Collected:	01.11.18 13.50	Sample Depth:	12'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.3**	4.91	mg/kg	01.18.18 10.29		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 16.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 16.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 16.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 16.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	01.18.18 16.05	
o-Terphenyl	84-15-1	98	%	70-135	01.18.18 16.05	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 10-12**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-042	Date Collected:	01.11.18 13.50	Sample Depth:	12'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 10.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 10.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	80-120	01.17.18 10.37	
1,4-Difluorobenzene	540-36-3	89	%	80-120	01.17.18 10.37	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 12-14**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-043	Date Collected:	01.11.18 14.00	Sample Depth:	14'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.18.18 10.36	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 16.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 16.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 16.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 16.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	01.18.18 16.25	
o-Terphenyl	84-15-1	94	%	70-135	01.18.18 16.25	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 12-14**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-043	Date Collected:	01.11.18 14.00	Sample Depth:	14'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 10.57	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 10.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 10.57	
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 10.57	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 14-16**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-044	Date Collected:	01.11.18 14.10	Sample Depth:	16'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.18.18 10.43	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 16.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 16.44	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 16.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 16.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.18.18 16.44	
o-Terphenyl	84-15-1	101	%	70-135	01.18.18 16.44	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB7 14-16**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-044	Date Collected:	01.11.18 14.10	Sample Depth:	16'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.17.18 11.16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.17.18 11.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.17.18 11.16	
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 11.16	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-045	Date Collected:	01.11.18 14.20	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**889**	4.99	mg/kg	01.18.18 10.50		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038634				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 17.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 17.03	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 17.03	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 17.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	01.18.18 17.03	
o-Terphenyl	84-15-1	89	%	70-135	01.18.18 17.03	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-045	Date Collected:	01.11.18 14.20	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 11.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 11.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.17.18 11.35	
4-Bromofluorobenzene	460-00-4	87	%	80-120	01.17.18 11.35	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-046	Date Collected:	01.11.18 14.30	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.92**	4.94	mg/kg	01.18.18 10.57		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 18.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 18.46	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 18.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 18.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	01.18.18 18.46	
o-Terphenyl	84-15-1	85	%	70-135	01.18.18 18.46	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-046	Date Collected:	01.11.18 14.30	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.17.18 11.54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.17.18 11.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	80-120	01.17.18 11.54	
4-Bromofluorobenzene	460-00-4	84	%	80-120	01.17.18 11.54	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-047	Date Collected:	01.11.18 14.40	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	01.18.18 11.04	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 19.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 19.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 19.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 19.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	01.18.18 19.45	
o-Terphenyl	84-15-1	96	%	70-135	01.18.18 19.45	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-047	Date Collected:	01.11.18 14.40	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.17.18 12.14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 12.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	80-120	01.17.18 12.14	
1,4-Difluorobenzene	540-36-3	93	%	80-120	01.17.18 12.14	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-048	Date Collected:	01.11.18 14.50	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	01.18.18 11.25	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 20.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 20.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 20.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 20.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	01.18.18 20.06	
o-Terphenyl	84-15-1	93	%	70-135	01.18.18 20.06	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-048	Date Collected:	01.11.18 14.50	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 12.33	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 12.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	80-120	01.17.18 12.33	
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.17.18 12.33	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-049	Date Collected:	01.11.18 15.00	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.92	4.92	mg/kg	01.18.18 11.31	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 20.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 20.26	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 20.26	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 20.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	01.18.18 20.26	
o-Terphenyl	84-15-1	89	%	70-135	01.18.18 20.26	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-049	Date Collected:	01.11.18 15.00	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.18.18 08.00	Basis:	Wet Weight
Seq Number:	3038608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.18.18 12.56	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.18.18 12.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.18.18 12.56	
4-Bromofluorobenzene	460-00-4	87	%	80-120	01.18.18 12.56	

Certificate of Analytical Results 573594

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1RP-4860

Sample Id:	**SB8 10-12 (1)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-050	Date Collected:	01.11.18 15.10	Sample Depth:	12'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**105**	4.93	mg/kg	01.18.18 12.06		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 20.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 20.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 20.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 20.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	01.18.18 20.45	
o-Terphenyl	84-15-1	94	%	70-135	01.18.18 20.45	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 10-12 (1)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-050	Date Collected:	01.11.18 15.10	Sample Depth:	12'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.18.18 08.00	Basis:	Wet Weight
Seq Number:	3038608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.18.18 13.16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.18.18 13.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.18.18 13.16	
1,4-Difluorobenzene	540-36-3	97	%	80-120	01.18.18 13.16	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 10-12 (2)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-051	Date Collected:	01.11.18 15.20	Sample Depth:	12'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	01.18.18 12.13	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 21.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 21.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 21.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 21.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	01.18.18 21.05	
o-Terphenyl	84-15-1	97	%	70-135	01.18.18 21.05	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 10-12 (2)**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-051	Date Collected:	01.11.18 15.20	Sample Depth:	12'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 14.17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 14.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	80-120	01.17.18 14.17	
1,4-Difluorobenzene	540-36-3	104	%	80-120	01.17.18 14.17	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 12-14**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-052	Date Collected:	01.11.18 15.30	Sample Depth:	14'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	01.18.18 12.20	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 21.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 21.26	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 21.26	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 21.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	01.18.18 21.26	
o-Terphenyl	84-15-1	90	%	70-135	01.18.18 21.26	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 12-14**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-052	Date Collected:	01.11.18 15.30	Sample Depth:	14'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 14.36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 14.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	01.17.18 14.36	
1,4-Difluorobenzene	540-36-3	94	%	80-120	01.17.18 14.36	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 14-16**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-053	Date Collected:	01.11.18 15.40	Sample Depth:	16'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	01.18.18 12.27	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 21.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 21.49	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 21.49	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 21.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	01.18.18 21.49	
o-Terphenyl	84-15-1	89	%	70-135	01.18.18 21.49	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB8 14-16**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-053	Date Collected:	01.11.18 15.40	Sample Depth:	16'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.17.18 14.56	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.17.18 14.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	80-120	01.17.18 14.56	
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.17.18 14.56	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-054	Date Collected:	01.11.18 15.50	Sample Depth:	2'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.91	4.91	mg/kg	01.18.18 12.34	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 22.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 22.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 22.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 22.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	71	%	70-135	01.18.18 22.10	
o-Terphenyl	84-15-1	76	%	70-135	01.18.18 22.10	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 0-2**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-054	Date Collected:	01.11.18 15.50	Sample Depth:	2'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.17.18 15.15	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.17.18 15.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	80-120	01.17.18 15.15	
1,4-Difluorobenzene	540-36-3	96	%	80-120	01.17.18 15.15	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-055	Date Collected:	01.11.18 16.00	Sample Depth:	4'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	01.18.18 12.41	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 22.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 22.30	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 22.30	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 22.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-135	01.18.18 22.30	
o-Terphenyl	84-15-1	83	%	70-135	01.18.18 22.30	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 2-4**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-055	Date Collected:	01.11.18 16.00	Sample Depth:	4'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.17.18 15.34	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.17.18 15.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	80-120	01.17.18 15.34	
1,4-Difluorobenzene	540-36-3	100	%	80-120	01.17.18 15.34	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-056	Date Collected:	01.11.18 16.10	Sample Depth:	6'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	OJS			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 08.35	Basis:	Wet Weight
Seq Number:	3038665				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	01.18.18 12.48	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 23.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 23.32	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 23.32	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 23.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	01.18.18 23.32	
o-Terphenyl	84-15-1	90	%	70-135	01.18.18 23.32	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 4-6**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-056	Date Collected:	01.11.18 16.10	Sample Depth:	6'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.17.18 15.54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.17.18 15.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	80-120	01.17.18 15.54	
1,4-Difluorobenzene	540-36-3	95	%	80-120	01.17.18 15.54	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-057	Date Collected:	01.11.18 16.20	Sample Depth:	8'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	LRI			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 16.00	Basis:	Wet Weight
Seq Number:	3038668				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.91	4.91	mg/kg	01.19.18 01.57	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.18.18 23.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.18.18 23.52	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.18.18 23.52	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.18.18 23.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-135	01.18.18 23.52	
o-Terphenyl	84-15-1	77	%	70-135	01.18.18 23.52	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 6-8**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-057	Date Collected:	01.11.18 16.20	Sample Depth:	8'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.17.18 09.00	Basis:	Wet Weight
Seq Number:	3038601				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.17.18 16.20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.17.18 16.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	80-120	01.17.18 16.20	
1,4-Difluorobenzene	540-36-3	98	%	80-120	01.17.18 16.20	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-058	Date Collected:	01.11.18 16.30	Sample Depth:	10'

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	LRI			% Moisture:	
Analyst:	OJS	Date Prep:	01.18.18 16.00	Basis:	Wet Weight
Seq Number:	3038668				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	01.19.18 02.04	U	1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	01.18.18 07.00	Basis:	Wet Weight
Seq Number:	3038635				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.19.18 00.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.19.18 00.12	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	01.19.18 00.12	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.19.18 00.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	01.19.18 00.12	
o-Terphenyl	84-15-1	73	%	70-135	01.19.18 00.12	

Certificate of Analytical Results 573594

OWL SWD Operating LLC, Dallas, TX

1RP-4860

Sample Id:	**SB9 8-10**	Matrix:	Soil	Date Received:	01.16.18 09.00
Lab Sample Id:	573594-058	Date Collected:	01.11.18 16.30	Sample Depth:	10'

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	01.18.18 08.00	Basis:	Wet Weight
Seq Number:	3038608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.18.18 17.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.18.18 17.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	80-120	01.18.18 17.09	
1,4-Difluorobenzene	540-36-3	95	%	80-120	01.18.18 17.09	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 573594

OWL SWD Operating LLC

1RP-4860

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038661 Matrix: Solid Date Prep: 01.17.18
MB Sample Id: 7637630-1-BLK LCS Sample Id: 7637630-1-BKS LCSD Sample Id: 7637630-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	260	104	260	104	90-110	0	20	mg/kg	01.18.18 17:41	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038664 Matrix: Solid Date Prep: 01.17.18
MB Sample Id: 7637631-1-BLK LCS Sample Id: 7637631-1-BKS LCSD Sample Id: 7637631-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	262	105	261	104	90-110	0	20	mg/kg	01.18.18 21:32	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038665 Matrix: Solid Date Prep: 01.18.18
MB Sample Id: 7637632-1-BLK LCS Sample Id: 7637632-1-BKS LCSD Sample Id: 7637632-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	250	100	251	100	90-110	0	20	mg/kg	01.18.18 09:12	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038668 Matrix: Solid Date Prep: 01.18.18
MB Sample Id: 7637692-1-BLK LCS Sample Id: 7637692-1-BKS LCSD Sample Id: 7637692-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	243	97	245	98	90-110	1	20	mg/kg	01.19.18 01:22	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038661 Matrix: Soil Date Prep: 01.17.18
Parent Sample Id: 573468-003 MS Sample Id: 573468-003 S MSD Sample Id: 573468-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	929	247	1120	77	1120	77	90-110	0	20	mg/kg	01.18.18 18:02	X

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

OWL SWD Operating LLC

1RP-4860

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038661 Matrix: Soil Date Prep: 01.17.18
Parent Sample Id: 573594-007 MS Sample Id: 573594-007 S MSD Sample Id: 573594-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.93	247	274	111	265	107	90-110	3	20	mg/kg	01.18.18 19:40	X

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038664 Matrix: Soil Date Prep: 01.17.18
Parent Sample Id: 573594-019 MS Sample Id: 573594-019 S MSD Sample Id: 573594-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	246	249	504	104	519	110	90-110	3	20	mg/kg	01.18.18 21:52	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038664 Matrix: Soil Date Prep: 01.17.18
Parent Sample Id: 573594-026 MS Sample Id: 573594-026 S MSD Sample Id: 573594-026 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	127	249	394	107	398	109	90-110	1	20	mg/kg	01.18.18 23:30	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038665 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573594-037 MS Sample Id: 573594-037 S MSD Sample Id: 573594-037 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	224	250	470	98	469	98	90-110	0	20	mg/kg	01.18.18 09:33	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038665 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573594-047 MS Sample Id: 573594-047 S MSD Sample Id: 573594-047 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.99	250	248	99	258	103	90-110	4	20	mg/kg	01.18.18 11:11	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

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Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038668 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573493-001 MS Sample Id: 573493-001 S MSD Sample Id: 573493-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	72.2	249	319	99	316	98	90-110	1	20	mg/kg	01.19.18 01:43	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3038668 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573873-003 MS Sample Id: 573873-003 S MSD Sample Id: 573873-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	250	100	250	100	90-110	0	20	mg/kg	01.19.18 03:20	

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038510 Matrix: Solid Date Prep: 01.16.18
MB Sample Id: 7637573-1-BLK LCS Sample Id: 7637573-1-BKS LCSD Sample Id: 7637573-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	828	83	803	80	70-135	3	35	mg/kg	01.16.18 11:02	
Diesel Range Organics (DRO)	<15.0	1000	869	87	802	80	70-135	8	35	mg/kg	01.16.18 11:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	81		84		77		70-135	%	01.16.18 11:02
o-Terphenyl	85		80		73		70-135	%	01.16.18 11:02

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038511 Matrix: Solid Date Prep: 01.16.18
MB Sample Id: 7637574-1-BLK LCS Sample Id: 7637574-1-BKS LCSD Sample Id: 7637574-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	923	92	866	87	70-135	6	35	mg/kg	01.16.18 22:31	
Diesel Range Organics (DRO)	<15.0	1000	974	97	925	93	70-135	5	35	mg/kg	01.16.18 22:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		91		89		70-135	%	01.16.18 22:31
o-Terphenyl	100		89		89		70-135	%	01.16.18 22:31

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

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Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038634 Matrix: Solid Date Prep: 01.18.18
MB Sample Id: 7637705-1-BLK LCS Sample Id: 7637705-1-BKS LCSD Sample Id: 7637705-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	969	97	989	99	70-135	2	35	mg/kg	01.18.18 08:45	
Diesel Range Organics (DRO)	<15.0	1000	1030	103	1060	106	70-135	3	35	mg/kg	01.18.18 08:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	83		97		99		70-135	%	01.18.18 08:45
o-Terphenyl	92		98		96		70-135	%	01.18.18 08:45

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038635 Matrix: Solid Date Prep: 01.18.18
MB Sample Id: 7637706-1-BLK LCS Sample Id: 7637706-1-BKS LCSD Sample Id: 7637706-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	904	90	831	83	70-135	8	35	mg/kg	01.18.18 18:04	
Diesel Range Organics (DRO)	<15.0	1000	1000	100	898	90	70-135	11	35	mg/kg	01.18.18 18:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		96		89		70-135	%	01.18.18 18:04
o-Terphenyl	102		96		90		70-135	%	01.18.18 18:04

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038510 Matrix: Soil Date Prep: 01.16.18
Parent Sample Id: 573594-001 MS Sample Id: 573594-001 S MSD Sample Id: 573594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	815	82	838	84	70-135	3	35	mg/kg	01.16.18 12:21	
Diesel Range Organics (DRO)	<15.0	999	889	89	839	84	70-135	6	35	mg/kg	01.16.18 12:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		75		70-135	%	01.16.18 12:21
o-Terphenyl	73		72		70-135	%	01.16.18 12:21

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

OWL SWD Operating LLC

1RP-4860

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038511 Matrix: Soil Date Prep: 01.16.18
Parent Sample Id: 572902-001 MS Sample Id: 572902-001 S MSD Sample Id: 572902-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	836	84	837	84	70-135	0	35	mg/kg	01.16.18 23:40	
Diesel Range Organics (DRO)	<15.0	998	965	97	964	96	70-135	0	35	mg/kg	01.16.18 23:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		83		70-135	%	01.16.18 23:40
o-Terphenyl	72		77		70-135	%	01.16.18 23:40

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038634 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573594-026 MS Sample Id: 573594-026 S MSD Sample Id: 573594-026 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	999	100	1070	107	70-135	7	35	mg/kg	01.18.18 09:45	
Diesel Range Organics (DRO)	<15.0	1000	1070	107	1160	116	70-135	8	35	mg/kg	01.18.18 09:45	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		103		70-135	%	01.18.18 09:45
o-Terphenyl	100		103		70-135	%	01.18.18 09:45

Analytical Method: **TPH By SW8015 Mod** Prep Method: TX1005P
Seq Number: 3038635 Matrix: Soil Date Prep: 01.18.18
Parent Sample Id: 573594-046 MS Sample Id: 573594-046 S MSD Sample Id: 573594-046 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	953	95	937	94	70-135	2	35	mg/kg	01.18.18 19:05	
Diesel Range Organics (DRO)	<15.0	999	953	95	958	96	70-135	1	35	mg/kg	01.18.18 19:05	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		88		70-135	%	01.18.18 19:05
o-Terphenyl	83		86		70-135	%	01.18.18 19:05

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

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1RP-4860

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038415 Matrix: Solid Date Prep: 01.16.18
MB Sample Id: 7637561-1-BLK LCS Sample Id: 7637561-1-BKS LCSD Sample Id: 7637561-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0892	90	0.0851	85	70-130	5	35	mg/kg	01.16.18 20:41	
Toluene	<0.00199	0.0994	0.0860	87	0.0819	82	70-130	5	35	mg/kg	01.16.18 20:41	
Ethylbenzene	<0.00199	0.0994	0.0825	83	0.0789	79	71-129	4	35	mg/kg	01.16.18 20:41	
m,p-Xylenes	<0.00398	0.199	0.164	82	0.158	79	70-135	4	35	mg/kg	01.16.18 20:41	
o-Xylene	<0.00199	0.0994	0.0834	84	0.0809	81	71-133	3	35	mg/kg	01.16.18 20:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		103		101		80-120	%	01.16.18 20:41
4-Bromofluorobenzene	86		96		96		80-120	%	01.16.18 20:41

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038601 Matrix: Solid Date Prep: 01.17.18
MB Sample Id: 7637671-1-BLK LCS Sample Id: 7637671-1-BKS LCSD Sample Id: 7637671-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0755	76	0.0776	78	70-130	3	35	mg/kg	01.17.18 08:04	
Toluene	<0.00200	0.0998	0.0757	76	0.0790	79	70-130	4	35	mg/kg	01.17.18 08:04	
Ethylbenzene	<0.00200	0.0998	0.0784	79	0.0816	82	71-129	4	35	mg/kg	01.17.18 08:04	
m,p-Xylenes	<0.00399	0.200	0.156	78	0.163	82	70-135	4	35	mg/kg	01.17.18 08:04	
o-Xylene	<0.00200	0.0998	0.0808	81	0.0847	85	71-133	5	35	mg/kg	01.17.18 08:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		107		101		80-120	%	01.17.18 08:04
4-Bromofluorobenzene	94		101		101		80-120	%	01.17.18 08:04

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038602 Matrix: Solid Date Prep: 01.17.18
MB Sample Id: 7637673-1-BLK LCS Sample Id: 7637673-1-BKS LCSD Sample Id: 7637673-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0800	80	0.0833	82	70-130	4	35	mg/kg	01.17.18 18:16	
Toluene	<0.00200	0.100	0.0786	79	0.0823	81	70-130	5	35	mg/kg	01.17.18 18:16	
Ethylbenzene	<0.00200	0.100	0.0786	79	0.0817	81	71-129	4	35	mg/kg	01.17.18 18:16	
m,p-Xylenes	<0.00401	0.200	0.157	79	0.163	81	70-135	4	35	mg/kg	01.17.18 18:16	
o-Xylene	<0.00200	0.100	0.0801	80	0.0839	83	71-133	5	35	mg/kg	01.17.18 18:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		104		110		80-120	%	01.17.18 18:16
4-Bromofluorobenzene	94		91		106		80-120	%	01.17.18 18:16

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

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1RP-4860

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038608 Matrix: Solid Date Prep: 01.18.18
MB Sample Id: 7637698-1-BLK LCS Sample Id: 7637698-1-BKS LCSD Sample Id: 7637698-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.100	100	0.100	99	70-130	0	35	mg/kg	01.18.18 10:24	
Toluene	<0.00200	0.0998	0.0964	97	0.0977	97	70-130	1	35	mg/kg	01.18.18 10:24	
Ethylbenzene	<0.00200	0.0998	0.0918	92	0.0924	91	71-129	1	35	mg/kg	01.18.18 10:24	
m,p-Xylenes	<0.00399	0.200	0.184	92	0.186	93	70-135	1	35	mg/kg	01.18.18 10:24	
o-Xylene	<0.00200	0.0998	0.0906	91	0.0922	91	71-133	2	35	mg/kg	01.18.18 10:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		102		106		80-120	%	01.18.18 10:24
4-Bromofluorobenzene	85		100		103		80-120	%	01.18.18 10:24

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038415 Matrix: Soil Date Prep: 01.16.18
Parent Sample Id: 573594-001 MS Sample Id: 573594-001 S MSD Sample Id: 573594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0782	79	0.0742	74	70-130	5	35	mg/kg	01.16.18 21:20	
Toluene	<0.00199	0.0994	0.0783	79	0.0698	70	70-130	11	35	mg/kg	01.16.18 21:20	
Ethylbenzene	<0.00199	0.0994	0.0604	61	0.0541	54	71-129	11	35	mg/kg	01.16.18 21:20	X
m,p-Xylenes	<0.00398	0.199	0.108	54	0.123	62	70-135	13	35	mg/kg	01.16.18 21:20	X
o-Xylene	<0.00199	0.0994	0.0546	55	0.0663	67	71-133	19	35	mg/kg	01.16.18 21:20	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		104		80-120	%	01.16.18 21:20
4-Bromofluorobenzene	85		97		80-120	%	01.16.18 21:20

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3038602 Matrix: Soil Date Prep: 01.17.18
Parent Sample Id: 573594-021 MS Sample Id: 573594-021 S MSD Sample Id: 573594-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0780	78	0.0921	92	70-130	17	35	mg/kg	01.17.18 18:56	
Toluene	<0.00200	0.100	0.0766	77	0.0864	87	70-130	12	35	mg/kg	01.17.18 18:56	
Ethylbenzene	<0.00200	0.100	0.0754	75	0.0804	81	71-129	6	35	mg/kg	01.17.18 18:56	
m,p-Xylenes	<0.00401	0.200	0.151	76	0.161	81	70-135	6	35	mg/kg	01.17.18 18:56	
o-Xylene	<0.00200	0.100	0.0785	79	0.0799	80	71-133	2	35	mg/kg	01.17.18 18:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		105		80-120	%	01.17.18 18:56
4-Bromofluorobenzene	112		102		80-120	%	01.17.18 18:56

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 573594

OWL SWD Operating LLC

1RP-4860

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3038608 Matrix: Soil Date Prep: 01.18.18

Parent Sample Id: 573506-001 MS Sample Id: 573506-001 S MSD Sample Id: 573506-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0795	79	0.0733	73	70-130	8	35	mg/kg	01.18.18 11:02	
Toluene	<0.00202	0.101	0.0742	73	0.0678	68	70-130	9	35	mg/kg	01.18.18 11:02	X
Ethylbenzene	<0.00202	0.101	0.0650	64	0.0593	59	71-129	9	35	mg/kg	01.18.18 11:02	X
m,p-Xylenes	<0.00403	0.202	0.130	64	0.118	59	70-135	10	35	mg/kg	01.18.18 11:02	X
o-Xylene	<0.00202	0.101	0.0655	65	0.0591	59	71-133	10	35	mg/kg	01.18.18 11:02	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		102		80-120	%	01.18.18 11:02
4-Bromofluorobenzene	105		96		80-120	%	01.18.18 11:02

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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Xenco Job #: 573594

Client / Reporting Information

Company Name / Branch: OWL SWD Operating LLC

Company Address: 8214 Westchester Dr #850 Dallas, TX

Email: psanders@oilfieldwaterlogistics.com

Phone No: 210-906-3553

Project Contact: James Fox

Samplers's Name: James Fox

Project Information

Project Name/Number: 1RP-4860 / OWL102217D

Project Location: Jal, NM

Invoice To: Oilfield Water Logistics (OWL)

PO Number:

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH	BTEX	Chlorides	Field Comments
1	BG 0-2	2'	1/10	1300	S	2								X	X	X	X	
2	BG 2-4	4'	↓	1310	↓	↓								↓	↓	↓	↓	
3	BG 4-6	6'		1320														
4	BG 6-8	8'		1330														
5	BG 8-10	10'		1340														
6	SB1 0-2	2'		1600														
7	SB1 2-4	4'		1610														
8	SB1 4-6	6'		1620														
9	SB1 6-8	8'		1630														
10	SB1 8-10	10'	↓	1640	↓	↓								↓	↓	↓	↓	

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [x] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes:

*Email reports to dena@kjenvironmental.com and james@kjenvironmental.com

FED-EX / U

Temp: 1.7
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

IR ID: R-8

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:
1	1/15/18 20:00	1	2	1/16 9:00
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable

On Ice: [x] Cooler Temp. Thermo. Corr. Factor

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CHAIN OF CUSTODY

Revision 2016.1

Page 2 Of 6

XENCO LABORATORIES

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Dallas, TX (214) 902-0300 | Lubbock, TX (806) 794-1296 | San Antonio, TX (210) 509-3334 | Service Center - Baton Rouge, LA (832) 712-8143 | Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

Xenco Quote #

Xenco Job # 573594

Client / Reporting Information

Company Name / Branch:

Company Address: see page # 1

Email:

Phone No:

Project Contact:

Samplers's Name:

Project Information

Project Name/Number: IRP-4860 / OWL102217D

Project Location: Jal, NM

Invoice To: OWL

PO Number:

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH	BTEX	Chlorides							Field Comments
1	SB2 0-2	2'	1-11-18	0800	S	1								X	X	X	X							
2	SB2 2-4	4'	↓	0810	↓	↓								↓	↓	↓	↓							
3	SB2 4-6	6'		0820																				
4	SB2 6-8	8'		0830																				
5	SB2 8-10	10'		0840																				
6	SB3 0-2	2'		0900																				
7	SB3 2-4	4'		0910																				
8	SB3 4-6	6'		0920																				
9	SB3 6-8	8'		0930																				
10	SB3 8-10	10'	↓	0940	↓	↓								↓	↓	↓	↓							

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [x] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes: * see page # 1

FED-EX / UPS

Temp: 1.2 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time
1 [signature]	1-15-18 20:00	1 [signature]	2 [signature]	1/16 9:00
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable [ ]

On Ice [x] | Cooler Temp. | Thermo. Corr. Factor

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Final 1.000

CHAIN OF CUSTODY

Page 3 Of 6

Revision 2016.1

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Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

Xenco Quote #

Xenco Job # 573594

Client / Reporting Information

Company Name / Branch:

Company Address: see page #1

Email: Phone No:

Project Contact:

Samplers's Name:

Project Information

Project Name/Number: IRP -4860 / OWL102217D

Project Location: Jal, NM

Invoice To: OWL

PO Number:

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	BTEX	TPH	Chlorides	Field Comments
1	SB4 0-2	2'	1-11-18	1000	S	1								X	X	X	X	
2	SB4 2-4	4'		1010														
3	SB4 4-6	6'		1020														
4	SB4 6-8	8'		1030														
5	SB4 8-10 (1)	10'		1040														
6	SB4 8-10 (2)	10'		1040														
7	SB5 0-2	2'		1045														
8	SB5 2-4	4'		1050														
9	SB5 4-6	6'		1055														
10	SB5 6-8	8'		1100														

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [x] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes: * See page #1

FED-E

Temp: 1.2 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C) 1.0
Corrected Temp:

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:
1	1-15-18 2000	1	2	1/16 9:01
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable

On Ice [x] Cooler Temp. Thermo. Corr. Factor

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Final 1.000

CHAIN OF CUSTODY

Page 4 Of 6

Revision 2016.1

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Xenco Quote #

Xenco Job # 573594

Client / Reporting Information

Company Name / Branch:

Company Address:

Email: See page #1

Phone No:

Project Contact:

Samplers's Name:

Project Information

Project Name/Number: IRP-4860 / OWL102217D

Project Location: Jal, NM

Invoice To: OWL

PO Number:

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH	BTEX	Chlorides								Field Comments
1	SB5 8-10	10'	1-11-18	1105	S	1								X	X	X	X								
2	SB6 0-2	2'	↓	1130	↓	↓								↓	↓	↓	↓								
3	SB6 2-4	4'		1140																					
4	SB6 4-6	6'		1150																					
5	SB6 6-8	8'		1200																					
6	SB6 8-10	10'		1210																					
7	SB7 0-2	2'		1300																					
8	SB7 2-4	4'		1310																					
9	SB7 4-6	6'		1320																					
10	SB7 6-8	8'	↓	1330	↓	↓								↓	↓	↓	↓								

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
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- [x] 3 Day EMERGENCY

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Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes:

* See page #1

FED-EX /

Temp: 1.2 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:
1	1-15-18 2000	1	2	1/16/18 9.
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable

On Ice [X] | Cooler Temp. | Thermo. Corr. Factor

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CHAIN OF CUSTODY

Page 5 Of 6

Revision 2016.1

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Xenco Quote #

Xenco Job # 573594

Client / Reporting Information

Company Name / Branch:

Company Address: See page # 1

Email:

Phone No:

Project Contact:

Samplers's Name:

Project Information

Project Name/Number: IRP-4860 / OWL102217.0

Project Location: Jal, NM

Invoice To: OWL

PO Number:

Analytical Information

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W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
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SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
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A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH	BTEX	Chlorides	Field Comments
1	SB7 8-10	10'	1-11-18	1340	S	1								X	X	X	X	
2	SB7 10-12	12'	↓	1350	↓	↓								↓	↓	↓	↓	
3	SB7 12-14	14'		1400														
4	SB7 14-16	16'		1410														
5	SB8 0-2	2'		1420														
6	SB8 2-4	4'		1430														
7	SB8 4-6	6'		1440														
8	SB8 6-8	8'		1450														
9	SB8 8-10	10'		1500														
10	SB8 10-12 (1)	12'	↓	1510	↓	↓								↓	↓	↓	↓	

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
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- [X] 3 Day EMERGENCY

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Notes:

* See page # 1

FED-EX / UPS

Temp: 1.2 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:
1	Jan G Fuq	1-15-18 2000			
2					1/16 9:00
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:
4					
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable

On Ice: [X] Cooler Temp. Thermo. Corr. Factor

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CHAIN OF CUSTODY

Page 6 Of 6

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Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

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Xenco Job # 573594

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Company Name / Branch:

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Project Contact:

Samplers's Name:

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Project Location: Jal, NM

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SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH	BTEX	Chlorides							Field Comments
1	SB8 10-12 (2)	12'	1-11-18	1520	S	1								X	X	X	X							
2	SB8 12-14	14'		1530																				
3	SB8 14-16	16'		1540																				
4	SB9 0-2	2'		1550																				
5	SB9 2-4	4'		1600																				
6	SB9 4-6	6'		1610																				
7	SB9 6-8	8'		1620																				
8	SB9 8-10	10'		1630																				
9																								
10																								

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
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- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
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Notes:

* See page #1

FED-EX / UPS

Temp: 1.2 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	1-15-18 2000	1 [signature]	2	1/16 9:00	2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice: [x] Cooler Temp. Thermo. Corr. Factor

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Final 1.000