Feeney, John M - DNR

From: Manthey, Mark <Mark.Manthey@tetratech.com>
Sent: Monday, May 10, 2021 8:35 AM
To: Feeney, John M - DNR
Cc: Piotrowicz, Mark; Shambeau, Jay
Subject: RE: TIF 12
Attachments: Soil Stockpile Results 2020-12.pdf

The soil that was reused as fill in the parking lot area of the new apartment development was a portion of the segregated soil that we collected the vertical profile soil samples from the stockpile last December and that had VOCs concentrations below WDNR RCLs as described in the Materials Management Plan. See attached table.

Mark A. Manthey, P.G. | Associate Hydrogeologist | Tetra Tech
Direct **(262) 207-3458** | Office **(262) 792-1282** | mark.manthey@tetratech.com

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From: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Sent: Monday, May 10, 2021 8:02 AM
To: Manthey, Mark <Mark.Manthey@tetratech.com>
Cc: Piotrowicz, Mark <piotrowm@ci.west-bend.wi.us>; Shambeau, Jay <shambeauj@ci.west-bend.wi.us>
Subject: RE: TIF 12

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Mark, were there any soil samples that represent the soil that went to the parking lot and is still there?

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Feeney
Phone: 262-416-8643
Johnm.feeney@wisconsin.gov

From: Manthey, Mark <Mark.Manthey@tetratech.com>
Sent: Wednesday, April 28, 2021 4:51 PM
To: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Cc: Piotrowicz, Mark <piotrowm@ci.west-bend.wi.us>; Shambeau, Jay <shambeauj@ci.west-bend.wi.us>
Subject: RE: TIF 12

John,

Since our Easter call the City of West Bend approved sending all of the remaining stockpiled soil to the landfill. Responses to your questions are provided below.

Any updates on the soil at TIF 12?
Response: All the soil that was not moved to the parking lot area by the developer was taken off-site for disposal at a landfill last week.

Can you submit the lab results?
Response: The analytical report containing the results for the 3 samples you requested be collected from the segregated soil that was not moved to the parking lot area is attached.

Did you get the waste tickets and figure out how much of that soil was spread in the parking lot area?
Response: I have not yet received all of the Waste Manifest tickets from North Shore for the segregated soil taken to the landfill last week so have not yet been able to provide an estimate of the amount of soil from the stockpile the developer spread over the parking lot area. I anticipate receiving the information within the next week and will provide the estimate at that time.

What's the plan going forward?
Response: It is our opinion that the minimal amount of soil from the stockpile (previously authorized for on-site reuse by you) that was spread out over the area where the surface parking lot for the apartment will be constructed poses a minimal vapor intrusion risk to future residents of the apartment. A vapor intrusion mitigation system is also included in the design of the apartment, which should eliminate the risk of vapor intrusion. The clean fill deposited over the segregated soil and the asphalt surface of the parking lot will prevent direct contact with the segregated soil. The asphalt surface of the parking lot will also serve as an impermeable barrier to surface water infiltration.

Mark A. Manthey, P.G. | Associate Hydrogeologist | Tetra Tech
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From: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Sent: Wednesday, April 28, 2021 10:16 AM
To: Manthey, Mark <Mark.Manthey@tetratech.com>
Subject: RE: TIF 12

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Hi Mark. Any updates on the soil at TIF 12? Can you submit the lab results? Did you get the waste tickets and figure out how much of that soil was spread in the parking lot area? What's the plan going forward?

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John Feeney
Phone: 262-416-8643
Johnm.feeney@wisconsin.gov

From: Manthey, Mark <Mark.Manthey@tetratech.com>
Sent: Thursday, April 22, 2021 3:20 PM
To: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Subject: RE: TIF 12

Sorry for the late response. I was busy with other projects plus did a few days of field work this week. Yes, the results for the 3 soil samples collected from the soil that was not moved did come in. All three had detections of TCE. Per my previous email, the soil has been taken off-site for disposal at the landfill.

Mark A. Manthey, P.G. | Associate Hydrogeologist | Tetra Tech
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From: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Sent: Monday, April 19, 2021 3:57 PM
To: Manthey, Mark <Mark.Manthey@tetratech.com>
Subject: RE: TIF 12

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Mark, did you get the sample results back for the post segregated samples? What was it?

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Feeney
Phone: 262-416-8643
Johnm.feeney@wisconsin.gov

From: Manthey, Mark <Mark.Manthey@tetratech.com>
Sent: Friday, April 16, 2021 2:23 PM
To: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Subject: RE: TIF 12

John,

FYI, Mark and Jay approved hauling the remaining soil that was in the stockpile and that was not already moved to the location of the apartment building parking lot and covered with clean fill to the landfill. The hauling of the soil to the landfill is scheduled to take place Monday, April 19th. I can provide an estimate of the volume of soil moved to the parking lot area once we receive and compile the waste manifest tickets from the subcontractor used to haul the soil to the landfill.

Mark A. Manthey, P.G. | Associate Hydrogeologist | Tetra Tech
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From: Feeney, John M - DNR <JohnM.Feeney@wisconsin.gov>
Sent: Thursday, April 8, 2021 7:43 AM
To: Manthey, Mark <Mark.Manthey@tetratech.com>
Subject: TIF 12

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Mark I am on vacation until April 19.

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Feeney, Wisconsin PG #750
Hydrogeologist, Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
1155 Pilgrim Road, Plymouth WI 53073
Phone: 262-416-8643
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Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-1-2	TOTAL VOCs			0					ug/kg
SS-1-5	TOTAL VOCs			0					ug/kg
SS-1-8	Naphthalene	5520	658.18	30.2	J	17.8	285	1	ug/kg
SS-1-8	1,1,1-Trichloroethane	640000	140.2	39.4	J	14.6	57.0	1	ug/kg
SS-1-8	Trichloroethene	1300	3.58	**81.2**		21.3	57.0	1	ug/kg
SS-1-8	TOTAL VOCs			150.8					ug/kg
SS-1-11	Naphthalene	5520	658.18	383		17.3	277	1	ug/kg
SS-1-11	Tetrachloroethene	33000	4.54	**28.9**	J	21.5	55.4	1	ug/kg
SS-1-11	1,1,1-Trichloroethane	640000	140.2	**405**		14.2	55.4	1	ug/kg
SS-1-11	Trichloroethene	1300	3.58	**1390**		20.7	55.4	1	ug/kg
SS-1-11	TOTAL VOCs			2206.9					ug/kg
SS-1-14	cis-1,2-Dichloroethene	156000	41.20	32.4	J	12.3	57.4	1	ug/kg
SS-1-14	Naphthalene	5520	658.18	26.3	J	17.9	287	1	ug/kg
SS-1-14	Tetrachloroethene	33000	4.54	**53.8**	J	22.3	57.4	1	ug/kg
SS-1-14	1,1,1-Trichloroethane	640000	140.2	**349**		14.7	57.4	1	ug/kg
SS-1-14	Trichloroethene	1300	3.58	**1110**		21.5	57.4	1	ug/kg
SS-1-14	TOTAL VOCs			1571.5					ug/kg
SS-2-2	Naphthalene	5520	658.18	28.2	J	17.7	284	1	ug/kg
SS-2-2	Tetrachloroethene	33000	4.54	**125**		22.0	56.7	1	ug/kg
SS-2-2	1,1,1-Trichloroethane	640000	140.2	39.9	J	14.5	56.7	1	ug/kg
SS-2-2	Trichloroethene	1300	3.58	**236**		21.2	56.7	1	ug/kg
SS-2-2	TOTAL VOCs			429.1					ug/kg
SS-2-5	TOTAL VOCs			0					ug/kg
SS-2-8	Naphthalene	5520	658.18	18.7	J	17.6	281	1	ug/kg
SS-2-8	Tetrachloroethene	33000	4.54	**29.3**	J	21.8	56.3	1	ug/kg
SS-2-8	Toluene	818000	1107.2	16.6	J	14.2	56.3	1	ug/kg
SS-2-8	1,1,1-Trichloroethane	640000	140.2	**506**		14.4	56.3	1	ug/kg
SS-2-8	Trichloroethene	1300	3.58	**1610**		21.0	56.3	1	ug/kg
SS-2-8	TOTAL VOCs			2180.6					ug/kg
SS-2-11	Naphthalene	5520	658.18	25	J	17.8	286	1	ug/kg
SS-2-11	Tetrachloroethene	33000	4.54	**67.6**		22.2	57.1	1	ug/kg
SS-2-11	1,1,1-Trichloroethane	640000	140.2	**343**		14.6	57.1	1	ug/kg
SS-2-11	Trichloroethene	1300	3.58	**931**		21.4	57.1	1	ug/kg
SS-2-11	TOTAL VOCs			1366.6					ug/kg
SS-3-2	Naphthalene	5520	658.18	19.4	J	17.9	287	1	ug/kg
SS-3-2	Tetrachloroethene	33000	4.54	**29.1**	J	22.3	57.4	1	ug/kg
SS-3-2	TOTAL VOCs			48.5					ug/kg
SS-3-5	Naphthalene	5520	658.18	21.9	J	17.9	286	1	ug/kg
SS-3-5	1,1,1-Trichloroethane	640000	140.2	**510**		14.7	57.2	1	ug/kg
SS-3-5	Trichloroethene	1300	3.58	**905**		21.4	57.2	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-3-5	TOTAL VOCs			1436.9					ug/kg
SS-3-8	Naphthalene	5520	658.18	46.9	J	17.0	273	1	ug/kg
SS-3-8	Toluene	818000	1107.2	55		13.7	54.6	1	ug/kg
SS-3-8	1,1,1-Trichloroethane	640000	140.2	81.3		14.0	54.6	1	ug/kg
SS-3-8	Trichloroethene	1300	3.58	**403**		20.4	54.6	1	ug/kg
SS-3-8	1,2,4-Trimethylbenzene	219000	1378.71	16.6	J	16.3	54.6	1	ug/kg
SS-3-8	m&p-Xylene	778000	3960	51.4	J	23.0	109	1	ug/kg
SS-3-8	o-Xylene	434000	3960	37.3	J	16.4	54.6	1	ug/kg
SS-3-8	TOTAL VOCs			691.5					ug/kg
SS-3-11	TOTAL VOCs			0					ug/kg
SS-4-2	Benzene	1600	5.12	**38.8**		13.7	23.0	1	ug/kg
SS-4-2	Ethylbenzene	8020	1570	16.6	J	13.7	57.6	1	ug/kg
SS-4-2	Naphthalene	5520	658.18	68.5	J	18.0	288	1	ug/kg
SS-4-2	Tetrachloroethene	33000	4.54	**24**	J	22.3	57.6	1	ug/kg
SS-4-2	Toluene	818000	1107.2	124		14.5	57.6	1	ug/kg
SS-4-2	1,1,1-Trichloroethane	640000	140.2	**439**		14.7	57.6	1	ug/kg
SS-4-2	Trichloroethene	1300	3.58	**425**		21.5	57.6	1	ug/kg
SS-4-2	1,2,4-Trimethylbenzene	219000	1378.71	32.7	J	17.2	57.6	1	ug/kg
SS-4-2	m&p-Xylene	778000	3960	85.1	J	24.3	115	1	ug/kg
SS-4-2	o-Xylene	434000	3960	55.9	J	17.3	57.6	1	ug/kg
SS-4-2	TOTAL VOCs			1309.6					ug/kg
SS-4-5	TOTAL VOCs			0					ug/kg
SS-4-8	1,1,1-Trichloroethane	640000	140.2	94.8		14.9	58.2	1	ug/kg
SS-4-8	Trichloroethene	1300	3.58	**265**		21.8	58.2	1	ug/kg
SS-4-8	Trichlorofluoromethane	1230000	4477.48	869		16.9	58.2	1	ug/kg
SS-4-8	TOTAL VOCs			1228.8					ug/kg
SS-4-11	1,1-Dichloroethane	5060	483.42	34.2	J	14.1	55.1	1	ug/kg
SS-4-11	Tetrachloroethene	33000	4.54	**33.5**	J	21.4	55.1	1	ug/kg
SS-4-11	Toluene	818000	1107.2	17.5	J	13.9	55.1	1	ug/kg
SS-4-11	1,1,1-Trichloroethane	640000	140.2	**823**		14.1	55.1	1	ug/kg
SS-4-11	Trichloroethene	1300	3.58	**2520**		20.6	55.1	1	ug/kg
SS-4-11	m&p-Xylene	778000	3960	31.9	J	23.3	110	1	ug/kg
SS-4-11	TOTAL VOCs			3460.1					ug/kg
SS-4-14	cis-1,2-Dichloroethene	156000	41.20	28.5	J	12.3	57.4	1	ug/kg
SS-4-14	Tetrachloroethene	33000	4.54	**49.4**	J	22.3	57.4	1	ug/kg
SS-4-14	1,1,1-Trichloroethane	640000	140.2	**321**		14.7	57.4	1	ug/kg
SS-4-14	Trichloroethene	1300	3.58	**1210**		21.5	57.4	1	ug/kg
SS-4-14	Trichlorofluoromethane	1230000	4477.48	20.4	J	16.6	57.4	1	ug/kg
SS-4-14	TOTAL VOCs			1629.3					ug/kg
SS-5-2	Tetrachloroethene	33000	4.54	**136**		22.2	57.2	1	ug/kg
SS-5-2	Toluene	818000	1107.2	15.3	J	14.4	57.2	1	ug/kg
SS-5-2	1,1,1-Trichloroethane	640000	140.2	**385**		14.6	57.2	1	ug/kg
SS-5-2	Trichloroethene	1300	3.58	**3390**		21.4	57.2	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-5-2	m&p-Xylene	778000	3960	28.1	J	24.1	114	1	ug/kg
SS-5-2	o-Xylene	434000	3960	18	J	17.2	57.2	1	ug/kg
SS-5-2	TOTAL VOCs			3972.4					ug/kg
SS-5-5	Tetrachloroethene	33000	4.54	**118**		22.1	56.8	1	ug/kg
SS-5-5	1,1,1-Trichloroethane	640000	140.2	59.4		14.6	56.8	1	ug/kg
SS-5-5	Trichloroethene	1300	3.58	**474**		21.3	56.8	1	ug/kg
SS-5-5	TOTAL VOCs			651.4					ug/kg
SS-5-8	Tetrachloroethene	33000	4.54	**23.8**	J	22.0	56.6	1	ug/kg
SS-5-8	Toluene	818000	1107.2	15.6	J	14.3	56.6	1	ug/kg
SS-5-8	1,1,1-Trichloroethane	640000	140.2	**142**		14.5	56.6	1	ug/kg
SS-5-8	Trichloroethene	1300	3.58	**623**		21.2	56.6	1	ug/kg
SS-5-8	TOTAL VOCs			804.4					ug/kg
SS-5-11	Tetrachloroethene	33000	4.54	**52.4**	J	21.9	56.4	1	ug/kg
SS-5-11	1,1,1-Trichloroethane	640000	140.2	77.2		14.4	56.4	1	ug/kg
SS-5-11	Trichloroethene	1300	3.58	**843**		21.1	56.4	1	ug/kg
SS-5-11	TOTAL VOCs			972.6					ug/kg
SS-5-14	cis-1,2-Dichloroethene	156000	41.20	23.3	J	12.8	59.6	1	ug/kg
SS-5-14	Trichloroethene	1300	3.58	**94.2**		22.3	59.6	1	ug/kg
SS-5-14	TOTAL VOCs			117.5					ug/kg
SS-6-2	Trichloroethene	1300	3.58	**30.6**	J	23.3	62.3	1	ug/kg
SS-6-2	TOTAL VOCs			30.6					ug/kg
SS-6-5	Tetrachloroethene	33000	4.54	**33.2**	J	22.9	59.0	1	ug/kg
SS-6-5	1,1,1-Trichloroethane	640000	140.2	131		15.1	59.0	1	ug/kg
SS-6-5	Trichloroethene	1300	3.58	**456**		22.1	59.0	1	ug/kg
SS-6-5	TOTAL VOCs			620.2					ug/kg
SS-6-8	Trichloroethene	1300	3.58	**163**		21.2	56.6	1	ug/kg
SS-6-8	TOTAL VOCs			163					ug/kg
SS-6-11	TOTAL VOCs			0					ug/kg
SS-7-2	Trichloroethene	1300	3.58	**42.4**	J	20.9	55.8	1	ug/kg
SS-7-2	TOTAL VOCs			42.4					ug/kg
SS-7-5	Trichloroethene	1300	3.58	**34.8**	J	22.2	59.4	1	ug/kg
SS-7-5	TOTAL VOCs			34.8					ug/kg
SS-7-8	1,1,1-Trichloroethane	640000	140.2	**87.7**		14.4	56.3	1	ug/kg
SS-7-8	Trichloroethene	1300	3.58	**516**		21.1	56.3	1	ug/kg
SS-7-8	TOTAL VOCs			603.7					ug/kg
SS-7-11	Trichloroethene	1300	3.58	**30.7**	J	23.0	61.5	1	ug/kg
SS-7-11	TOTAL VOCs			30.7					ug/kg
SS-7-14	Tetrachloroethene	33000	4.54	**27.7**	J	22.8	58.8	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-7-14	1,1,1-Trichloroethane	640000	140.2	**443**		15.1	58.8	1	ug/kg
SS-7-14	Trichloroethene	1300	3.58	**1280**		22.0	58.8	1	ug/kg
SS-7-14	TOTAL VOCs			1750.7					ug/kg
SS-7-17	Naphthalene	5520	658.18	38.4	J	17.3	277	1	ug/kg
SS-7-17	Tetrachloroethene	33000	4.54	**55.1**	J	21.5	55.4	1	ug/kg
SS-7-17	Toluene	818000	1107.2	33.1	J	14.0	55.4	1	ug/kg
SS-7-17	1,1,1-Trichloroethane	640000	140.2	92.1		14.2	55.4	1	ug/kg
SS-7-17	Trichloroethene	1300	3.58	**477**		20.7	55.4	1	ug/kg
SS-7-17	1,2,4-Trimethylbenzene	219000	1378.71	20.3	J	16.5	55.4	1	ug/kg
SS-7-17	m&p-Xylene	778000	3960	31.3	J	23.4	111	1	ug/kg
SS-7-17	TOTAL VOCs			747.3					ug/kg
SS-7-20	Toluene	818000	1107.2	23.4	J	15.2	60.3	1	ug/kg
SS-7-20	1,2,4-Trimethylbenzene	219000	1378.71	21.7	J	18.0	60.3	1	ug/kg
SS-7-20	o-Xylene	434000	3960	19.7	J	18.1	60.3	1	ug/kg
SS-7-20	TOTAL VOCs			64.8					ug/kg
SS-7-23	TOTAL VOCs			0					ug/kg
SS-8-2	1,1,1-Trichloroethane	640000	140.2	31.7	J	14.9	58.1	1	ug/kg
SS-8-2	Trichloroethene	1300	3.58	**133**		21.7	58.1	1	ug/kg
SS-8-2	TOTAL VOCs			164.7					ug/kg
SS-8-5	Trichloroethene	1300	3.58	**40**	J	22.0	58.7	1	ug/kg
SS-8-5	TOTAL VOCs			40					ug/kg
SS-8-8	Tetrachloroethene	33000	4.54	**42.7**	J	21.9	56.5	1	ug/kg
SS-8-8	1,1,1-Trichloroethane	640000	140.2	**180**		14.5	56.5	1	ug/kg
SS-8-8	Trichloroethene	1300	3.58	**974**		21.1	56.5	1	ug/kg
SS-8-8	TOTAL VOCs			1196.7					ug/kg
SS-8-11	Naphthalene	5520	658.18	60.6	J	18.1	291	1	ug/kg
SS-8-11	Tetrachloroethene	33000	4.54	**403**		22.6	58.2	1	ug/kg
SS-8-11	Toluene	818000	1107.2	24.5	J	14.7	58.2	1	ug/kg
SS-8-11	1,1,1-Trichloroethane	640000	140.2	56.8	J	14.9	58.2	1	ug/kg
SS-8-11	Trichloroethene	1300	3.58	**568**		21.8	58.2	1	ug/kg
SS-8-11	1,2,4-Trimethylbenzene	219000	1378.71	30.5	J	17.3	58.2	1	ug/kg
SS-8-11	m&p-Xylene	778000	3960	51.1	J	24.5	116	1	ug/kg
SS-8-11	o-Xylene	434000	3960	36	J	17.4	58.2	1	ug/kg
SS-8-11	TOTAL VOCs			1230.5					ug/kg
SS-8-14	Tetrachloroethene	33000	4.54	**56.5**	J	22.6	58.2	1	ug/kg
SS-8-14	TOTAL VOCs			56.5					ug/kg
SS-8-17	TOTAL VOCs			0					ug/kg
SS-8-20	TOTAL VOCs			0					ug/kg
SS-9-2	Chlorobenzene	370000	135.8	44.4	J	6.8	56.4	1	ug/kg
SS-9-2	1,1,1-Trichloroethane	640000	140.2	39.5	J	14.4	56.4	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-9-2	Trichloroethene	1300	3.58	**200**		21.1	56.4	1	ug/kg
SS-9-2	Trichlorofluoromethane	1230000	4477.48	**14800**		40.9	141	2.5	ug/kg
SS-9-2	TOTAL VOCs			15084					ug/kg
SS-9-5	Trichloroethene	1300	3.58	**58.6**		20.8	55.5	1	ug/kg
SS-9-5	Trichlorofluoromethane	1230000	4477.48	54.8	J	16.1	55.5	1	ug/kg
SS-9-5	TOTAL VOCs			113.4					ug/kg
SS-9-8	TOTAL VOCs			0					ug/kg
SS-9-11	TOTAL VOCs			0					ug/kg
SS-9-14	TOTAL VOCs			0					ug/kg
SS-10-2	Trichloroethene	1300	3.58	**79.5**		22.5	60.1	1	ug/kg
SS-10-2	TOTAL VOCs			79.5					ug/kg
SS-10-5	TOTAL VOCs			0					ug/kg
SS-10-8	Naphthalene	5520	658.18	183	J	17.3	278	1	ug/kg
SS-10-8	Tetrachloroethene	33000	4.54	**37.3**	J	21.6	55.6	1	ug/kg
SS-10-8	Toluene	818000	1107.2	28.5	J	14.0	55.6	1	ug/kg
SS-10-8	1,1,1-Trichloroethane	640000	140.2	**703**		14.2	55.6	1	ug/kg
SS-10-8	Trichloroethene	1300	3.58	**2060**		20.8	55.6	1	ug/kg
SS-10-8	1,2,4-Trimethylbenzene	219000	1378.71	19.4	J	16.6	55.6	1	ug/kg
SS-10-8	m&p-Xylene	778000	3960	26.3	J	23.5	111	1	ug/kg
SS-10-8	o-Xylene	434000	3960	18.7	J	16.7	55.6	1	ug/kg
SS-10-8	TOTAL VOCs			3076.2					ug/kg
SS-10-11	Tetrachloroethene	33000	4.54	**32.3**	J	21.9	56.4	1	ug/kg
SS-10-11	Toluene	818000	1107.2	18.4	J	14.2	56.4	1	ug/kg
SS-10-11	1,1,1-Trichloroethane	640000	140.2	**377**		14.4	56.4	1	ug/kg
SS-10-11	Trichloroethene	1300	3.58	**1160**		21.1	56.4	1	ug/kg
SS-10-11	TOTAL VOCs			1587.7					ug/kg
SS-10-14	Tetrachloroethene	33000	4.54	**60.1**		22.1	56.8	1	ug/kg
SS-10-14	Toluene	818000	1107.2	22.9	J	14.3	56.8	1	ug/kg
SS-10-14	1,1,1-Trichloroethane	640000	140.2	**482**		14.6	56.8	1	ug/kg
SS-10-14	Trichloroethene	1300	3.58	**1740**		21.3	56.8	1	ug/kg
SS-10-14	m&p-Xylene	778000	3960	25.7	J	24.0	114	1	ug/kg
SS-10-14	TOTAL VOCs			2330.7					ug/kg
SS-10-17	Benzene	1600	5.12	**103**		14.2	23.9	1	ug/kg
SS-10-17	Ethylbenzene	8020	1570	23.9	J	14.2	59.8	1	ug/kg
SS-10-17	Naphthalene	5520	658.18	106	J	18.7	299	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-10-17	Tetrachloroethene	33000	4.54	**383**		23.2	59.8	1	ug/kg
SS-10-17	Toluene	818000	1107.2	305		15.1	59.8	1	ug/kg
SS-10-17	1,1,1-Trichloroethane	640000	140.2	63.9		15.3	59.8	1	ug/kg
SS-10-17	Trichloroethene	1300	3.58	**275**		22.4	59.8	1	ug/kg
SS-10-17	1,2,4-Trimethylbenzene	219000	1378.71	52.5	J	17.8	59.8	1	ug/kg
SS-10-17	m&p-Xylene	778000	3960	163		25.2	120	1	ug/kg
SS-10-17	o-Xylene	434000	3960	66.5		17.9	59.8	1	ug/kg
SS-10-17	TOTAL VOCs			1541.8					ug/kg
SS-10-20	Toluene	818000	1107.2	48.1	J	14.5	57.5	1	ug/kg
SS-10-20	Trichloroethene	1300	3.58	**49.7**	J	21.5	57.5	1	ug/kg
SS-10-20	1,2,4-Trimethylbenzene	219000	1378.71	20.7	J	17.1	57.5	1	ug/kg
SS-10-20	m&p-Xylene	778000	3960	32.8	J	24.3	115	1	ug/kg
SS-10-20	o-Xylene	434000	3960	26.2	J	17.2	57.5	1	ug/kg
SS-10-20	TOTAL VOCs			177.5					ug/kg
SS-10-23	TOTAL VOCs			0					ug/kg
SS-11-2	TOTAL VOCs			0					ug/kg
SS-11-5	1,1,1-Trichloroethane	640000	140.2	**190**		14.9	58.1	1	ug/kg
SS-11-5	Trichloroethene	1300	3.58	**406**		21.7	58.1	1	ug/kg
SS-11-5	TOTAL VOCs			596					ug/kg
SS-11-8	Tetrachloroethene	33000	4.54	**365**		22.3	57.5	1	ug/kg
SS-11-8	Toluene	818000	1107.2	26.9	J	14.5	57.5	1	ug/kg
SS-11-8	1,1,1-Trichloroethane	640000	140.2	45.3	J	14.7	57.5	1	ug/kg
SS-11-8	Trichloroethene	1300	3.58	**348**		21.5	57.5	1	ug/kg
SS-11-8	m&p-Xylene	778000	3960	24.9	J	24.3	115	1	ug/kg
SS-11-8	o-Xylene	434000	3960	19.6	J	17.3	57.5	1	ug/kg
SS-11-8	TOTAL VOCs			829.7					ug/kg
SS-11-11	Ethylbenzene	8020	1570	14	J	13.4	56.4	1	ug/kg
SS-11-11	Naphthalene	5520	658.18	97.1	J	17.6	282	1	ug/kg
SS-11-11	Tetrachloroethene	33000	4.54	**1050**		21.9	56.4	1	ug/kg
SS-11-11	Toluene	818000	1107.2	66.6		14.2	56.4	1	ug/kg
SS-11-11	1,1,1-Trichloroethane	640000	140.2	**191**		14.4	56.4	1	ug/kg
SS-11-11	Trichloroethene	1300	3.58	**240**		21.1	56.4	1	ug/kg
SS-11-11	1,2,4-Trimethylbenzene	219000	1378.71	54.9	J	16.8	56.4	1	ug/kg
SS-11-11	m&p-Xylene	778000	3960	118		23.8	113	1	ug/kg
SS-11-11	o-Xylene	434000	3960	75.4		16.9	56.4	1	ug/kg
SS-11-11	TOTAL VOCs			1907					ug/kg
SS-11-14	Naphthalene	5520	658.18	128	J	17.4	278	1	ug/kg
SS-11-14	Tetrachloroethene	33000	4.54	**43.2**	J	21.6	55.7	1	ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
SS-11-14	Trichloroethene	1300	3.58	**66.5**		20.8	55.7	1	ug/kg
SS-11-14	TOTAL VOCs			237.7					ug/kg
SS-11-17	Toluene	818000	1107.2	68.2		14.6	57.9	1	ug/kg
SS-11-17	TOTAL VOCs			68.2					ug/kg
SS-11-20	Ethylbenzene	8020	1570	31.7	J	13.2	55.5	1	ug/kg
SS-11-20	m&p-Xylene	778000	3960	150		23.4	111	1	ug/kg
SS-11-20	o-Xylene	434000	3960	42.2	J	16.7	55.5	1	ug/kg
SS-11-20	TOTAL VOCs			223.9					ug/kg
SS-12-2	1,1,1-Trichloroethane	640000	140.2	36.8	J	14.4	56.2	1	ug/kg
SS-12-2	Trichloroethene	1300	3.58	**168**		21.0	56.2	1	ug/kg
SS-12-2	TOTAL VOCs			204.8					ug/kg
SS-12-5	Naphthalene	5520	658.18	69.8	J	17.2	275	1	ug/kg
SS-12-5	Tetrachloroethene	33000	4.54	**1370**		21.4	55.1	1	ug/kg
SS-12-5	Toluene	818000	1107.2	47	J	13.9	55.1	1	ug/kg
SS-12-5	1,1,1-Trichloroethane	640000	140.2	95.3		14.1	55.1	1	ug/kg
SS-12-5	Trichloroethene	1300	3.58	**240**		20.6	55.1	1	ug/kg
SS-12-5	1,2,4-Trimethylbenzene	219000	1378.71	31.4	J	16.4	55.1	1	ug/kg
SS-12-5	m&p-Xylene	778000	3960	61.9	J	23.2	110	1	ug/kg
SS-12-5	o-Xylene	434000	3960	37.2	J	16.5	55.1	1	ug/kg
SS-12-5	TOTAL VOCs			1952.6					ug/kg
SS-12-8	cis-1,2-Dichloroethene	156000	41.20	15.2	J	12.4	58.0	1	ug/kg
SS-12-8	Tetrachloroethene	33000	4.54	**41.5**	J	22.5	58.0	1	ug/kg
SS-12-8	Trichloroethene	1300	3.58	**152**		21.7	58.0	1	ug/kg
SS-12-8	TOTAL VOCs			208.7					ug/kg
SS-12-11	Tetrachloroethene	33000	4.54	**91**		21.1	54.4	1	ug/kg
SS-12-11	Toluene	818000	1107.2	47.7	J	13.7	54.4	1	ug/kg
SS-12-11	1,1,1-Trichloroethane	640000	140.2	20.1	J	13.9	54.4	1	ug/kg
SS-12-11	Trichloroethene	1300	3.58	**68.6**		20.3	54.4	1	ug/kg
SS-12-11	TOTAL VOCs			227.4					ug/kg
SS-12-14	TOTAL VOCs			0					ug/kg
SPLP-5	Trichloroethene	1300	3.58	**5.7**	J	2.6	10.0	10	ug/L
SPLP-5	TOTAL VOCs			5.7					ug/kg
SPLP-8	TOTAL VOCs			0					ug/kg
SPLP-12	TOTAL VOCs			0					ug/kg

Table 1. Summary of Excavated Soil Stockpile Soil Samples Analytical Results

Field ID	Parameter	Non-Industrial DC RCL	GW RCL	Result	Code	LOD	LOQ	Dilution	Units
TCLP-5,8,12	TOTAL VOCs			0					ug/kg

Notes: Bold values exceed the compound's GW RCL.
Highlighted and underlined values exceed the compound's Non-Industrial DC RCL.