Table 2
Summary of Preliminary Results
HSA 5C Co-Located Chemical Sampling
SubSurface Soil

Group	CAS No	Chemical	Minimum Concentration	Maximum Concentration	Unit	Location of Maximum Concentration	Depth of Maximum Concentration	Detection Frequency	Range of Method Detection Limit	Range of Method Reporting Limit
Alcohols	67-63-0	2-Propanol	--	--	ug/kg	--	--	0/84	100 - 130	510 - 640
Alcohols	64-17-5	Ethanol	110 J	330 J	ug/kg	SL-012-SA5C	9.0-10.0	33/84	100 - 130	510 - 640
Alcohols	67-56-1	Methanol	110 J	690	ug/kg	SL-002-SA5C	9.0-10.0	29/84	100 - 130	510 - 640
Anions	16984-48-8	Fluoride	0.9 J	37	mg/kg	SL-022-SA5C	9.0-10.0	180/186	0.82 - 1.8	1 - 2.3
Anions	14797-55-8	Nitrate	0.96 J	16.8	mg/kg	SL-006-SA5C	4.0-5.0	74/84	0.82 - 1	1.5 - 1.9
Cyanide	57-12-5	Cyanide	1.2	1.2	mg/kg	SL-060-SA5C	9.0-10.0	1/84	0.18 - 0.23	0.5 - 0.63
Dioxins/Furans	39001-02-0	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	0.139 JB	31.4 B	ng/kg	SL-119-SA5C	4.0-5.0	179/179	0.0046 - 0.0792	5.57 - 12.8
Dioxins/Furans	3268-87-9	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	0.213 JB	2600 B	ng/kg	SL-119-SA5C	4.0-5.0	179/179	0.008 - 0.141	5.57 - 12.8
Dioxins/Furans	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.104 JBQ	7.06 B	ng/kg	SL-119-SA5C	4.0-5.0	179/179	0.0033 - 0.0477	2.78 - 6.4
Dioxins/Furans	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.117 JB	143 B	ng/kg	SL-119-SA5C	4.0-5.0	179/179	0.0065 - 0.148	2.78 - 6.4
Dioxins/Furans	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0249 JBQ	0.611 JQ	ng/kg	SL-067-SA5C	3.0-4.0	177/179	0.004 - 0.0626	2.78 - 6.4
Dioxins/Furans	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.0325 JBQ	1.27 J	ng/kg	SL-067-SA5C	3.0-4.0	179/179	0.0057 - 0.0537	2.78 - 6.4
Dioxins/Furans	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.0128 JBQ	1.84 JB	ng/kg	SL-119-SA5C	4.0-5.0	150/179	0.0066 - 0.0693	2.78 - 6.4
Dioxins/Furans	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.0178 JBQ	0.99 J	ng/kg	SL-067-SA5C	3.0-4.0	179/179	0.0055 - 0.0538	2.78 - 6.4
Dioxins/Furans	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.0216 JB	4.7 JB	ng/kg	SL-119-SA5C	4.0-5.0	169/179	0.0068 - 0.0707	2.78 - 6.4
Dioxins/Furans	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.0276 JBQ	1.75 JB	ng/kg	SL-120-SA5C	4.0-5.0	172/179	0.006 - 0.0628	2.78 - 6.4
Dioxins/Furans	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.0189 JBQ	3.35 JB	ng/kg	SL-119-SA5C	4.0-5.0	172/179	0.0066 - 0.0705	2.78 - 6.4
Dioxins/Furans	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.0158 JBQ	0.721 JB	ng/kg	SL-137-SA5C	4.5-5.5	170/179	0.0032 - 0.0548	2.78 - 6.4
Dioxins/Furans	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	0.0113 J	0.591 JB	ng/kg	SL-119-SA5C	4.0-5.0	143/179	0.0045 - 0.0674	2.78 - 6.4
Dioxins/Furans	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.0322 JBQ	1.27 J	ng/kg	SL-067-SA5C	3.0-4.0	179/179	0.0056 - 0.0538	2.78 - 6.4
Dioxins/Furans	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.0335 JBQ	1.4 J	ng/kg	SL-067-SA5C	3.0-4.0	179/179	0.0029 - 0.0558	2.78 - 6.4
Dioxins/Furans	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.0108 JB	0.647 JQ	ng/kg	SL-067-SA5C	3.0-4.0	93/179	0.0039 - 0.11	0.557 - 1.28
Dioxins/Furans	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.00999 JBQ	0.177 JBQ	ng/kg	SL-130-SA5C	4.0-5.0	98/179	0.0037 - 0.0589	0.557 - 1.28
Energetics	99-35-4	1,3,5-Trinitrobenzene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	118-96-7	2,4,6-Trinitrotoluene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	6629-29-4	2,4-Diamino-6-nitrotoluene	--	--	ug/kg	--	--	0/84	100 - 130	310 - 380
Energetics	121-14-2	2,4-Dinitrotoluene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	59229-75-3	2,6-Diamino-4-nitrotoluene	--	--	ug/kg	--	--	0/84	100 - 130	310 - 380
Energetics	606-20-2	2,6-Dinitrotoluene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	35572-78-2	2-Amino-4,6-Dinitrotoluene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	88-72-2	2-Nitrotoluene	--	--	ug/kg	--	--	0/84	100 - 130	150 - 190
Energetics	99-08-1	3-Nitrotoluene	--	--	ug/kg	--	--	0/84	130 - 160	150 - 190
Energetics	19406-51-0	4-Amino-2,6-Dinitrotoluene	--	--	ug/kg	--	--	0/84	77 - 96	150 - 190
Energetics	99-99-0	4-Nitrotoluene	--	--	ug/kg	--	--	0/84	100 - 130	150 - 190
Energetics	99-65-0	m-Dinitrobenzene	92 J	300	ug/kg	SL-044-SA5C	4.0-5.0	5/84	51 - 64	150 - 190
Energetics	98-95-3	Nitrobenzene	--	--	ug/kg	--	--	0/84	51 - 64	150 - 190
Energetics	55-63-0	Nitroglycerin	--	--	ug/kg	--	--	0/84	1000 - 1300	3100 - 3800
Energetics	2691-41-0	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine	--	--	ug/kg	--	--	0/84	130 - 160	390 - 480
Energetics	78-11-5	Pentaerythritol Tetranitrate	--	--	ug/kg	--	--	0/84	1000 - 1300	3100 - 3800
Energetics	121-82-4	RDX	--	--	ug/kg	--	--	0/84	64 - 200	150 - 200
Energetics	479-45-8	Tetryl	--	--	ug/kg	--	--	0/84	79 - 140	150 - 190
Formaldehyde	50-00-0	Formaldehyde	670 J	10000	ug/kg	SL-059-SA5C	1.0-2.0	15/84	620 - 770	1500 - 1900
Glycols	111-46-6	Diethylene Glycol	--	--	mg/kg	--	--	0/76	5.1 - 11	13 - 16
Glycols	107-21-1	Ethylene Glycol	--	--	mg/kg	--	--	0/76	5.1 - 13	13 - 16
Glycols	57-55-6	Propylene Glycol	--	--	mg/kg	--	--	0/76	5.1 - 6.4	13 - 16
Hydrazines	57-14-7	1,1-Dimethylhydrazine	--	--	ng/g	--	--	0/27	2.1 - 2.6	5.1 - 6.4
Hydrazines	302-01-2	Hydrazine	0.9 J	0.9 J	ng/g	SL-044-SA5C	9.0-10.0	1/27	0.51 - 0.64	2.1 - 2.6
Hydrazines	60-34-4	Methylhydrazine	--	--	ng/g	--	--	0/27	2.1 - 2.6	5.1 - 6.4
Metals	7429-90-5	Aluminum	9670	40600	mg/kg	SL-071-SA5C	4.0-5.0	185/185	4.98 - 27.5	19.8 - 109
Metals	7440-36-0	Antimony	0.0627 J	0.559	mg/kg	SL-001-SA5C	9.0-10.0	164/185	0.06 - 0.0753	0.2 - 0.251
Metals	7440-38-2	Arsenic	2.41	16.7	mg/kg	SL-066-SA5C	3.0-4.0	185/185	0.06 - 0.0753	0.4 - 0.502

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Group	CAS No	Chemical	Minimum Concentration	Maximum Concentration	Unit	Location of Maximum Concentration	Depth of Maximum Concentration	Detection Frequency	Range of Method Detection Limit			Range of Method Reporting Limit		
Metals	7440-39-3	Barium	40.9	321	mg/kg	SL-120-SA5C	9.0-10.0	185/185	0.108	-	0.316	0.4	-	1.17
Metals	7440-41-7	Beryllium	0.304	1.6	mg/kg	SL-071-SA5C	9.0-10.0	185/185	0.016	-	0.0201	0.1	-	0.126
Metals	7440-42-8	Boron	0.988 J	37.5	mg/kg	SL-074-SA5C	4.0-5.0	154/185	0.881	-	5.15	4.95	-	28.9
Metals	7440-43-9	Cadmium	0.0376 J	0.669	mg/kg	SL-111-SA5C	9.0-10.0	174/185	0.036	-	0.0452	0.1	-	0.126
Metals	7440-70-2	Calcium	1190	89700	mg/kg	SL-122-SA5C	4.0-5.0	185/185	6.07	-	34	19.8	-	111
Metals	7440-47-3	Chromium	10.7	55.4	mg/kg	SL-001-SA5C	9.0-10.0	185/185	0.12	-	0.151	0.4	-	0.502
Metals	18540-29-9	Chromium (Hexavalent Compounds)	0.23 J	2.5	mg/kg	SL-045-SA5C, SL-065-SA5C	4.0-5.0	94/186	0.21	-	0.26	1	-	1.3
Metals	7440-48-4	Cobalt	3.18	35.1	mg/kg	SL-101-SA5C	4.0-5.0	185/185	0.02	-	0.0251	0.1	-	0.126
Metals	7440-50-8	Copper	5.42	32.5	mg/kg	SL-101-SA5C	4.0-5.0	185/185	0.066	-	0.0829	0.4	-	0.502
Metals	7439-89-6	Iron	14300	46300	mg/kg	SL-037-SA5C	3.5-4.5	185/185	4.66	-	29.3	19.8	-	124
Metals	7439-92-1	Lead	2.77	25.2	mg/kg	SL-101-SA5C	4.0-5.0	185/185	0.0104	-	0.0131	0.201	-	0.251
Metals	7439-93-2	Lithium	11.8	65.9	mg/kg	SL-037-SA5C	3.5-4.5	185/185	0.22	-	0.27	2	-	2.5
Metals	7439-95-4	Magnesium	2950	11400	mg/kg	SL-043-SA5C	2.0-3.0	185/185	2.52	-	3.16	9.9	-	12.4
Metals	7439-96-5	Manganese	80.4	1490	mg/kg	SL-080-SA5C	7.5-8.5	185/185	0.0772	-	0.411	0.495	-	2.64
Metals	7439-97-6	Mercury	0.0032 J	0.0831 J	mg/kg	SL-096-SA5C	9.0-10.0	85/185	0.0028	-	0.0035	0.0982	-	0.121
Metals	7439-98-7	Molybdenum	0.148	3.87	mg/kg	SL-012-SA5C	9.0-10.0	185/185	0.05	-	0.0628	0.1	-	0.126
Metals	7440-02-0	Nickel	6.48	34.9	mg/kg	SL-037-SA5C	3.5-4.5	185/185	0.1	-	0.126	0.4	-	0.502
Metals	7723-14-0	Phosphorus	62.9	1120	mg/kg	SL-014-SA5C	4.0-5.0	185/185	0.555	-	1.18	9.9	-	21
Metals	7440-09-7	Potassium	1020	4790	mg/kg	SL-004-SA5C	9.0-10.0	185/185	17.8	-	22.4	49.5	-	62.2
Metals	7782-49-2	Selenium	0.0439 J	0.396 J	mg/kg	SL-070-SA5C	4.0-5.0	162/185	0.04	-	0.0502	0.4	-	0.502
Metals	7440-22-4	Silver	0.0123 J	0.517	mg/kg	SL-128-SA5C	4.0-5.0	180/185	0.012	-	0.0151	0.1	-	0.126
Metals	7440-23-5	Sodium	63.5 J	1530	mg/kg	SL-026-SA5C	9.0-10.0	185/185	36.9	-	46.4	99	-	124
Metals	7440-24-6	Strontium	10.9	123	mg/kg	SL-122-SA5C	4.0-5.0	185/185	0.0614	-	0.0771	0.495	-	0.622
Metals	7440-28-0	Thallium	0.176	0.701	mg/kg	SL-037-SA5C	3.5-4.5	185/185	0.03	-	0.0377	0.1	-	0.126
Metals	7440-31-5	Tin	1.68 J	4.25 J	mg/kg	SL-037-SA5C	3.5-4.5	185/185	0.99	-	1.24	9.9	-	12.4
Metals	7440-32-6	Titanium	799	2330	mg/kg	SL-043-SA5C	2.0-3.0	185/185	0.398	-	2.36	1.05	-	6.22
Metals	7440-62-2	Vanadium	29.5	101	mg/kg	SL-001-SA5C	9.0-10.0	185/185	0.0221	-	0.0276	0.1	-	0.126
Metals	7440-66-6	Zinc	32.7	145	mg/kg	SL-037-SA5C	3.5-4.5	185/185	0.56	-	0.703	3	-	3.77
Metals	7440-67-7	Zirconium	0.93 J	8.14	mg/kg	SL-071-SA5C	4.0-5.0	177/185	0.832	-	1.04	4.95	-	6.22
Miscelaneous	MOIST	Percent Moisture	2.9	21.9	%	SL-037-SA5C	3.5-4.5	365/365	0.5	-	0.5	0.5	-	0.5
NDMA	62-75-9E	N-Nitrosodimethylamine-E1625C	22.3 J	870	ng/kg	SL-044-SA5C	4.0-5.0	66/84	17.2	-	40.2	34.3	-	80.3
PCBs/PCTs	12674-11-2	Aroclor 1016	--	--	ug/kg	--	--	0/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	11104-28-2	Aroclor 1221	--	--	ug/kg	--	--	0/186	0.51	-	2.8	1.8	-	9.4
PCBs/PCTs	11141-16-5	Aroclor 1232	--	--	ug/kg	--	--	0/186	0.54	-	2.9	1.8	-	9.4
PCBs/PCTs	53469-21-9	Aroclor 1242	--	--	ug/kg	--	--	0/186	0.51	-	2.8	1.8	-	9.4
PCBs/PCTs	12672-29-6	Aroclor 1248	0.67 J	13	ug/kg	SL-109-SA5C	4.0-5.0	14/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	11097-69-1	Aroclor 1254	0.39 J	49	ug/kg	SL-131-SA5C	4.0-5.0	40/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	11096-82-5	Aroclor 1260	0.44 J	15	ug/kg	SL-131-SA5C	4.0-5.0	34/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	37324-23-5	Aroclor 1262	--	--	ug/kg	--	--	0/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	11100-14-4	Aroclor 1268	--	--	ug/kg	--	--	0/186	0.34	-	1.8	1.8	-	9.4
PCBs/PCTs	63496-31-1	Aroclor 5432	--	--	ug/kg	--	--	0/186	1	-	5.5	3.4	-	18
PCBs/PCTs	12642-23-8	Aroclor 5442	--	--	ug/kg	--	--	0/186	1	-	5.5	3.4	-	18
PCBs/PCTs	11126-42-4	Aroclor 5460	1.4 J	26	ug/kg	SL-072-SA5C	7.5-8.5	15/186	1	-	5.5	3.4	-	18
Perchlorate	14797-73-0	Perchlorate	2.6 J	2.6 J	ug/kg	SL-051-SA5C	3.0-4.0	1/23	2.2	-	2.5	5.2	-	5.9
Perchlorate	14797-73-0E	Perchlorate-E314.0	9.7 J	156	ug/kg	SL-025-SA5C	9.0-10.0	15/180	9.3	-	11.5	30.9	-	38.4
pH	PH	pH	5.46	9.22	ph	SL-122-SA5C	4.0-5.0	186/186	0.01	-	0.01	0.01	-	0.01
Semivolatiles	120-82-1	1,2,4-Trichlorobenzene	--	--	ug/kg	--	--	0/186	17	-	21	170	-	210
Semivolatiles	95-50-1	1,2-Dichlorobenzene	--	--	ug/kg	--	--	0/186	17	-	21	170	-	210
Semivolatiles	122-66-7	1,2-Diphenylhydrazine	--	--	ug/kg	--	--	0/186	17	-	21	170	-	210
Semivolatiles	541-73-1	1,3-Dichlorobenzene	--	--	ug/kg	--	--	0/186	17	-	21	170	-	210
Semivolatiles	106-46-7	1,4-Dichlorobenzene	--	--	ug/kg	--	--	0/186	17	-	21	170	-	210

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Semivolatiles	90-12-0	1-Methylnaphthalene	0.75 J	0.75 J	ug/kg	SL-037-SA5C	3.5-4.5	1/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	95-95-4	2,4,5-Trichlorophenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	88-06-2	2,4,6-Trichlorophenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	120-83-2	2,4-Dichlorophenol	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	105-67-9	2,4-Dimethylphenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	51-28-5	2,4-Dinitrophenol	--	--	ug/kg	--	--	0/186	690 - 850	2100 - 2600
Semivolatiles	121-14-2	2,4-Dinitrotoluene	--	--	ug/kg			0/186	34 - 43	170 - 210
Semivolatiles	606-20-2	2,6-Dinitrotoluene	--	--	ug/kg			0/186	17 - 21	170 - 210
Semivolatiles	91-58-7	2-Chloronaphthalene	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	95-57-8	2-Chlorophenol	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	91-57-6	2-Methylnaphthalene	0.86 J	0.86 J	ug/kg	SL-050-SA5C	4.0-5.0	1/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	95-48-7	2-Methylphenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	88-74-4	2-Nitroaniline	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	88-75-5	2-Nitrophenol	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	91-94-1	3,3`-Dichlorobenzidine	--	--	ug/kg	--	--	0/186	100 - 130	340 - 430
Semivolatiles	108-68-9	3,5-Dimethylphenol	130 J	130 J	ug/kg	SL-017-SA5C	4.0-5.0	1/186	34 - 43	170 - 210
Semivolatiles	99-09-2	3-Nitroaniline	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	534-52-1	4,6-Dinitro-2-Methylphenol	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	101-55-3	4-Bromophenyl Phenyl Ether	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	59-50-7	4-Chloro-3-Methylphenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	106-47-8	4-Chloroaniline	--	--	ug/kg	--	--	0/186	69 - 85	170 - 210
Semivolatiles	7005-72-3	4-Chlorophenyl Phenylether	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	106-44-5	4-Methylphenol	--	--	ug/kg	--	--	0/186	34 - 43	170 - 210
Semivolatiles	100-01-6	4-Nitroaniline	--	--	ug/kg	--	--	0/186	69 - 85	170 - 210
Semivolatiles	100-02-7	4-Nitrophenol	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	83-32-9	Acenaphthene	1 J	1 J	ug/kg	SL-050-SA5C	4.0-5.0	1/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	208-96-8	Acenaphthylene	0.63 J	0.93 J	ug/kg	SL-050-SA5C	4.0-5.0	2/186	0.34 - 0.43	1.7 - 2.1
Semivolatiles	62-53-3	Aniline	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	120-12-7	Anthracene	0.45 J	2.7	ug/kg	SL-050-SA5C	4.0-5.0	8/186	0.34 - 0.43	1.7 - 2.1
Semivolatiles	92-87-5	Benzidine	--	--	ug/kg	--	--	0/186	1200 - 1500	3400 - 4300
Semivolatiles	56-55-3	Benzo(a)anthracene	0.8 J	17	ug/kg	SL-088-SA5C	4.0-5.0	28/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	50-32-8	Benzo(a)pyrene	0.77 J	20	ug/kg	SL-088-SA5C	4.0-5.0	38/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	205-99-2	Benzo(b)fluoranthene	0.73 J	24	ug/kg	SL-088-SA5C	4.0-5.0	48/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	191-24-2	Benzo(g,h,i)perylene	0.74 J	35 J	ug/kg	SL-051-SA5C	3.0-4.0	25/186	0.69 - 19	1.7 - 190
Semivolatiles	207-08-9	Benzo(k)fluoranthene	0.75 J	13	ug/kg	SL-088-SA5C	4.0-5.0	23/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	65-85-0	Benzoic Acid	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	100-51-6	Benzyl Alcohol	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	111-91-1	Bis(2-Chloroethoxy) methane	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	111-44-4	Bis(2-Chloroethyl) ether	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	39638-32-9	bis(2-Chloroisopropyl) ether	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	117-81-7	Bis(2-Ethylhexyl) phthalate	6.9 J	72	ug/kg	SL-021-SA5C	4.0-5.0	79/186	6.2 - 20	19 - 400
Semivolatiles	85-68-7	Butylbenzylphthalate	7.2 J	24	ug/kg	SL-020-SA5C	4.0-5.0	6/186	6.2 - 7.7	19 - 23
Semivolatiles	86-74-8	Carbazole	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	218-01-9	Chrysene	0.35 J	23 J	ug/kg	SL-093-SA5C	8.0-9.0	57/186	0.34 - 19	1.7 - 190
Semivolatiles	53-70-3	Dibenzo(a,h)anthracene	0.94 J	20 J	ug/kg	SL-077-SA5C	3.0-4.0	6/186	0.69 - 18	1.7 - 180
Semivolatiles	132-64-9	Dibenzofuran	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	84-66-2	Diethylphthalate	8 J	8 J	ug/kg	SL-061-SA5C	9.0-10.0	1/186	6.2 - 7.7	19 - 23
Semivolatiles	131-11-3	Dimethylphthalate	17 J	17 J	ug/kg	SL-028-SA5C	4.0-5.0	1/186	6.2 - 7.7	19 - 23
Semivolatiles	84-74-2	Di-N-Butylphthalate	6.7 J	18 J	ug/kg	SL-009-SA5C	9.0-10.0	6/186	6.2 - 19	19 - 190
Semivolatiles	117-84-0	Di-N-Octyl Phthalate	6.9 J	13 J	ug/kg	SL-110-SA5C	4.0-5.0	8/186	6.2 - 7.7	19 - 23
Semivolatiles	206-44-0	Fluoranthene	0.74 J	24	ug/kg	SL-088-SA5C	4.0-5.0	32/186	0.69 - 0.85	1.7 - 2.1

Table 2
Summary of Preliminary Results
HSA 5C Co-Located Chemical Sampling
SubSurface Soil

Group	CAS No	Chemical	Minimum Concentration	Maximum Concentration	Unit	Location of Maximum Concentration	Depth of Maximum Concentration	Detection Frequency	Range of Method Detection Limit	Range of Method Reporting Limit
Semivolatiles	86-73-7	Fluorene	1 J	2.3	ug/kg	SL-050-SA5C	4.0-5.0	2/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	118-74-1	Hexachlorobenzene	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	87-68-3	Hexachlorobutadiene	--	--	ug/kg	--	--	0/186	69 - 85	170 - 210
Semivolatiles	77-47-4	Hexachlorocyclopentadiene	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	67-72-1	Hexachloroethane	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	193-39-5	Indeno(1,2,3-Cd)Pyrene	0.75 J	21 J	ug/kg	SL-077-SA5C	3.0-4.0	14/186	0.69 - 18	1.7 - 180
Semivolatiles	78-59-1	Isophorone	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	91-20-3	Naphthalene	0.76 J	1.4 J	ug/kg	SL-028-SA5C	4.0-5.0	8/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	98-95-3	Nitrobenzene	--	--	ug/kg			0/186	17 - 21	170 - 210
Semivolatiles	62-75-9	N-Nitrosodimethylamine	1.9	14	ug/kg	SL-050-SA5C	4.0-5.0	3/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	621-64-7	N-Nitroso-Di-N-Propylamine	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	86-30-6	N-Nitrosodiphenylamine	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	87-86-5	Pentachlorophenol	--	--	ug/kg	--	--	0/186	170 - 210	510 - 640
Semivolatiles	85-01-8	Phenanthrene	0.75 J	7	ug/kg	SL-028-SA5C	4.0-5.0	26/186	0.69 - 0.85	1.7 - 2.1
Semivolatiles	108-95-2	Phenol	--	--	ug/kg	--	--	0/186	17 - 21	170 - 210
Semivolatiles	129-00-0	Pyrene	0.78 J	25	ug/kg	SL-088-SA5C	4.0-5.0	32/186	0.69 - 0.85	1.7 - 2.1
Terphenyls	92-06-8	m-Terphenyl	--	--	mg/kg	--	--	0/84	1.5 - 3.4	3.6 - 8
Terphenyls	84-15-1	o-Terphenyl	--	--	mg/kg	--	--	0/84	1.5 - 3.4	3.6 - 8
Terphenyls	92-94-4	P-TERPHENYL	--	--	mg/kg	--	--	0/84	1.5 - 3.4	3.6 - 8
TPH	PHCC12C14	EFH (C12-C14)	--	--	mg/kg	--	--	0/76	0.41 - 8.6	1.2 - 26
TPH	PHCC15C20	EFH (C15-C20)	0.46 J	13	mg/kg	SL-046-SA5C	4.0-5.0	17/76	0.41 - 8.6	1.2 - 26
TPH	PHCC21C30	EFH (C21-C30)	0.48 J	190	mg/kg	SL-039-SA5C	4.0-5.0	51/76	0.41 - 8.6	1.2 - 26
TPH	PHCC30C40	EFH (C30-C40)	0.45 J	520	mg/kg	SL-039-SA5C	4.0-5.0	64/76	0.41 - 8.6	1.2 - 26
TPH	PHCC8C11	EFH (C8-C11)	--	--	mg/kg	--	--	0/76	0.41 - 8.6	1.2 - 26
TPH	GROC5C12	Gasoline Range Organices (C5-C12)	--	--	mg/kg	--	--	0/78	0.2 - 0.3	0.9 - 1.3
Volatiles	630-20-6	1,1,1,2-Tetrachloroethene	--	--	ug/kg	--	--	0/139	0.09 - 0.16	3.4 - 5.8
Volatiles	71-55-6	1,1,1-Trichloroethane	--	--	ug/kg	--	--	0/139	0.17 - 0.29	3.4 - 5.8
Volatiles	79-34-5	1,1,2,2-Tetrachloroethane	--	--	ug/kg	--	--	0/139	0.19 - 0.33	3.4 - 5.8
Volatiles	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	--	--	ug/kg	--	--	0/139	0.09 - 0.16	3.4 - 5.8
Volatiles	79-00-5	1,1,2-Trichloroethane	--	--	ug/kg	--	--	0/139	0.23 - 0.39	3.4 - 5.8
Volatiles	75-34-3	1,1-Dichloroethane	--	--	ug/kg	--	--	0/139	0.08 - 0.15	3.4 - 5.8
Volatiles	75-35-4	1,1-Dichloroethene	--	--	ug/kg	--	--	0/139	0.33 - 0.56	3.4 - 5.8
Volatiles	563-58-6	1,1-Dichloropropene	--	--	ug/kg	--	--	0/139	0.11 - 0.19	3.4 - 5.8
Volatiles	87-61-6	1,2,3-Trichlorobenzene	--	--	ug/kg	--	--	0/139	0.12 - 0.2	3.4 - 5.8
Volatiles	96-18-4	1,2,3-Trichloropropane	--	--	ug/kg	--	--	0/139	0.28 - 0.48	3.4 - 5.8
Volatiles	120-82-1	1,2,4-Trichlorobenzene	--	--	ug/kg			0/139	0.15 - 0.26	3.4 - 5.8
Volatiles	95-63-6	1,2,4-Trimethylbenzene	--	--	ug/kg	--	--	0/139	0.34 - 0.58	3.4 - 5.8
Volatiles	96-12-8	1,2-Dibromo-3-chloropropane	--	--	ug/kg	--	--	0/139	0.59 - 1	3.4 - 5.8
Volatiles	106-93-4	1,2-Dibromoethane	--	--	ug/kg	--	--	0/139	0.14 - 0.25	3.4 - 5.8
Volatiles	95-50-1	1,2-Dichlorobenzene	--	--	ug/kg			0/139	0.08 - 0.13	3.4 - 5.8
Volatiles	107-06-2	1,2-Dichloroethane	--	--	ug/kg	--	--	0/139	0.13 - 0.22	3.4 - 5.8
Volatiles	78-87-5	1,2-Dichloropropane	--	--	ug/kg	--	--	0/139	0.14 - 0.25	3.4 - 5.8
Volatiles	108-67-8	1,3,5-Trimethylbenzene	--	--	ug/kg	--	--	0/139	0.08 - 0.15	3.4 - 5.8
Volatiles	541-73-1	1,3-Dichlorobenzene	--	--	ug/kg			0/139	0.1 - 0.17	3.4 - 5.8
Volatiles	142-28-9	1,3-Dichloropropane	--	--	ug/kg	--	--	0/139	0.07 - 0.12	3.4 - 5.8
Volatiles	106-46-7	1,4-Dichlorobenzene	--	--	ug/kg			0/139	0.14 - 0.23	3.4 - 5.8
Volatiles	123-91-1	1,4-Dioxane	--	--	ug/kg	--	--	0/139	4.2 - 7.2	13 - 22
Volatiles	594-20-7	2,2-Dichloropropane	--	--	ug/kg	--	--	0/139	0.14 - 0.25	3.4 - 5.8
Volatiles	78-93-3	2-Butanone	1.7 J	16	ug/kg	SL-027-SA5C	2.5-3.5	7/139	1 - 1.8	6.8 - 12
Volatiles	110-75-8	2-Chloroethyl Vinyl Ether	--	--	ug/kg	--	--	0/139	0.25 - 0.43	3.4 - 5.8
Volatiles	95-49-8	2-Chlorotoluene	--	--	ug/kg	--	--	0/139	0.12 - 0.2	3.4 - 5.8

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HSA 5C Co-Located Chemical Sampling
SubSurface Soil

Group	CAS No	Chemical	Minimum Concentration	Maximum Concentration	Unit	Location of Maximum Concentration	Depth of Maximum Concentration	Detection Frequency	Range of Method Detection Limit	Range of Method Reporting Limit
Volatiles	591-78-6	2-Hexanone	--	--	ug/kg	--	--	0/139	1.4 - 2.3	6.8 - 12
Volatiles	106-43-4	4-Chlorotoluene	--	--	ug/kg	--	--	0/139	0.12 - 0.2	3.4 - 5.8
Volatiles	108-10-1	4-Methyl-2-Pentanone	0.47 J	9.7	ug/kg	SL-017-SA5C	9.0-10.0	4/139	0.33 - 0.56	6.8 - 12
Volatiles	67-64-1	Acetone	7.1 J	89	ug/kg	SL-027-SA5C	2.5-3.5	22/139	5.7 - 9.7	6.8 - 12
Volatiles	71-43-2	Benzene	0.11 J	0.11 J	ug/kg	SL-085-SA5C	2.5-3.0	1/139	0.08 - 0.15	3.4 - 5.8
Volatiles	108-86-1	Bromobenzene	--	--	ug/kg	--	--	0/139	0.11 - 0.19	3.4 - 5.8
Volatiles	74-97-5	Bromochloromethane	--	--	ug/kg	--	--	0/139	0.28 - 0.48	3.4 - 5.8
Volatiles	75-27-4	Bromodichloromethane	--	--	ug/kg	--	--	0/139	0.07 - 0.12	3.4 - 5.8
Volatiles	75-25-2	Bromoform	--	--	ug/kg	--	--	0/139	0.34 - 0.58	3.4 - 5.8
Volatiles	74-83-9	Bromomethane	--	--	ug/kg	--	--	0/139	0.21 - 0.36	3.4 - 5.8
Volatiles	56-23-5	Carbon tetrachloride	--	--	ug/kg	--	--	0/139	0.12 - 0.2	3.4 - 5.8
Volatiles	108-90-7	Chlorobenzene	--	--	ug/kg	--	--	0/139	0.09 - 0.16	3.4 - 5.8
Volatiles	75-00-3	Chloroethane	--	--	ug/kg	--	--	0/139	0.11 - 0.19	3.4 - 5.8
Volatiles	67-66-3	Chloroform	0.11 J	0.75 J	ug/kg	SL-125-SA5C	4.0-6.0	18/139	0.1 - 0.17	3.4 - 5.8
Volatiles	74-87-3	Chloromethane	--	--	ug/kg	--	--	0/139	0.28 - 0.48	3.4 - 5.8
Volatiles	79-38-9	Chlorotrifluoroethene	--	--	ug/kg	--	--	0/139	0.42 - 0.72	4.2 - 7.2
Volatiles	156-59-2	cis-1,2-Dichloroethene	--	--	ug/kg	--	--	0/139	0.16 - 0.27	3.4 - 5.8
Volatiles	10061-01-5	cis-1,3-Dichloropropene	--	--	ug/kg	--	--	0/139	0.14 - 0.23	3.4 - 5.8
Volatiles	124-48-1	Dibromochloromethane	--	--	ug/kg	--	--	0/139	0.17 - 0.29	3.4 - 5.8
Volatiles	74-95-3	Dibromomethane	--	--	ug/kg	--	--	0/139	0.2 - 0.35	3.4 - 5.8
Volatiles	75-71-8	Dichlorodifluoromethane	--	--	ug/kg	--	--	0/139	0.1 - 0.17	3.4 - 5.8
Volatiles	100-41-4	Ethylbenzene	0.07 J	0.07 J	ug/kg	SL-085-SA5C	2.5-3.0	1/139	0.05 - 0.09	3.4 - 5.8
Volatiles	75-88-7	Freon 113a	--	--	ug/kg	--	--	0/139	0.42 - 0.72	4.2 - 7.2
Volatiles	87-68-3	Hexachlorobutadiene	--	--	ug/kg			0/139	0.12 - 0.2	3.4 5.8
Volatiles	98-82-8	Isopropylbenzene	--	--	ug/kg	--	--	0/139	0.05 - 0.09	3.4 - 5.8
Volatiles	99-87-6	Isopropyltoluene	--	--	ug/kg	--	--	0/139	0.09 - 0.16	3.4 - 5.8
Volatiles	179601-23-1	m,p-Xylene	0.19 J	0.19 J	ug/kg	SL-085-SA5C	2.5-3.0	1/139	0.14 - 0.25	3.4 - 5.8
Volatiles	1634-04-4	Methyl tert-Butyl Ether	--	--	ug/kg	--	--	0/139	0.18 - 0.3	3.4 - 5.8
Volatiles	75-09-2	Methylene chloride	0.41 J	16	ug/kg	SL-015-SA5C	4.0-5.0	104/139	0.2 - 0.35	3.4 - 5.8
Volatiles	104-51-8	N-Butylbenzene	--	--	ug/kg	--	--	0/139	0.1 - 0.17	3.4 - 5.8
Volatiles	103-65-1	N-Propylbenzene	--	--	ug/kg	--	--	0/139	0.06 - 0.1	3.4 - 5.8
Volatiles	95-47-6	o-Xylene	--	--	ug/kg	--	--	0/139	0.14 - 0.25	3.4 - 5.8
Volatiles	135-98-8	sec-Butylbenzene	--	--	ug/kg	--	--	0/139	0.05 - 0.09	3.4 - 5.8
Volatiles	100-42-5	Styrene	--	--	ug/kg	--	--	0/139	0.08 - 0.15	3.4 - 5.8
Volatiles	98-06-6	tert-Butylbenzene	--	--	ug/kg	--	--	0/139	0.14 - 0.23	3.4 - 5.8
Volatiles	127-18-4	Tetrachloroethene	--	--	ug/kg	--	--	0/139	0.17 - 0.29	3.4 - 5.8
Volatiles	108-88-3	Toluene	0.08 J	1.2 J	ug/kg	SL-133-SA5C	4.0-5.0	69/139	0.07 - 0.12	3.4 - 5.8
Volatiles	156-60-5	trans-1,2-Dichloroethene	--	--	ug/kg	--	--	0/139	0.1 - 0.17	3.4 - 5.8
Volatiles	10061-02-6	trans-1,3-Dichloropropene	--	--	ug/kg	--	--	0/139	0.14 - 0.25	3.4 - 5.8
Volatiles	79-01-6	Trichloroethene	0.18 J	0.87 J	ug/kg	SL-070-SA5C	4.0-5.0	2/139	0.13 - 0.22	3.4 - 5.8
Volatiles	75-69-4	Trichlorofluoromethane	--	--	ug/kg	--	--	0/139	0.25 - 0.42	3.4 - 5.8
Volatiles	75-01-4	Vinyl Chloride	--	--	ug/kg	--	--	0/139	0.17 - 0.29	3.4 - 5.8

B = Chemical observed in analytical method blank
E = Exceeds analytical calibration range
J = Value is an estimate. Concetnration is above detection limit but below the reporting limit
Q = Estimated maximum possible concentration