

June 8, 2023

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Ms. Pamela Tames  
Mr. David Rosoff  
U.S. Environmental Protection Agency  
290 Broadway - 20th Floor  
New York, NY 10007-1866

Re: Progress update Letter 2  
366-394 Wilson Avenue, Newark, NJ (the Site/Property)  
General Facility Tracking Identification # NJN986663052

Dear Mr. Rosoff and Ms. Tames:

This letter summarizes the environmental scope of services performed by Envocare Environmental & Facility Management (ENVOCARE) at the above-referenced property after approval of sampling and quality assurance project plan.

#### **STOCKPILE SOIL INVESTIGATION**

On April 17<sup>th</sup> and 18<sup>th</sup>, 2023, stockpiles were sampled as directed by EPA for waste classification parameters to adhere to Clean Earth Disposal facility acceptance guidelines. In addition to the three stockpiles in the proposed scope of work, two more stockpiles were sampled for waste class parameters as per EPA OSC direction. These stockpiles were labeled stockpiles D and E which were located directly south of stockpile B and another located to the east adjacent to stockpile B respectively. Sample location figure shown in [Figure 1](#).

#### **Field Sampling Procedures**

The field activities were performed by ENVOCARE and SBI on April 17<sup>th</sup> and 18<sup>th</sup>, 2023. Each sample location of the soil piles was field screened for volatile vapors with the use of Photoionization Detector (PID) and Jerome 431X (Jerome) to measure volatile organic compounds (VOCs) and vapor mercury (Hg) respectively. The soil was visually inspected, and field screened for evidence of volatile organics performed by ENVOCARE staff. PID readings (volatile organic vapors) were found to be non-detect in stockpiles B through E and mercury readings were detected highest at 3.86 parts per million (ppm) in stockpile B, whereas stockpile A had PID readings between a range of 7ppm to 54 ppm the soils did exhibit petroleum odors or staining; mercury readings were found at a maximum of 0.24 parts per billion (ppb). The visual inspection of the stockpile identified the presence of vegetation debris, some stones, black silt, construction debris and fill material. [Table 1](#) presents the depth, PID and Mercury readings for each stockpile sample.

A total of five (5) samples were taken for stockpile A, seven (7) samples from stockpile B, three (3) samples from stockpile B and two (2) samples each from stockpiles D and E. The sampling methods and decontamination procedures adhere to the approved Quality Assurance Project Plan (QAPP).

A volatile organic sample was collected using the Encore® sampler, and all other parameters for the soil sample were collected in laboratory-provided sample jars. Five points composite sampling method was utilized subsequently samples were collected directly into sample containers, placed in shipping coolers, and maintained at approximately  $4 \pm 2$  degrees Celsius. A chain of custody form was completed at the time of sampling and maintained until the submission of the samples at the laboratory.

The soil sample was analyzed for EPH Category I, VOCs, Semi-Volatile Organic Compounds (SVOCs), Polycyclic Biphenyls (PCBs), Metals, Paint Filter, Toxic Characteristic Leaching Procedure (TCLP), Metals, and RCRA Characteristics.

### **Analytical Results Review**

Soil analytical results were further evaluated against the NJDEP New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria, New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria, New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria and New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria (NRI-SRS, NRID-SRS, RI-SRS and RID-SRS). As well as EPA TCLP regulatory criteria. The NJDEP Cleanup Criteria used only for disposal purposes.

The analytical results identified Pesticides (4,4-DDD), PCBs, Semi Volatile Organics, Metals (arsenic, beryllium, cadmium, copper, lead, mercury, nickel, zinc) and Benzo(a)pyrene & Benzo(a)anthracene above the RDCSRS/NRDCSRS standards for one or all the samples in each stockpile.

TCLP exceedance for lead and mercury were noted in the soil sample collected from stockpile B. Due to failure to meet leachability standards, Clean Earth of Kearny was asked to treat the soil at their facility.

Laboratory analytical report is presented in [Exhibit A](#).

ENVOCARE is currently getting approval for an off-site disposal for the Clean Earth of Kearny facility. Approved submittal of Off-Site Rule form to the EPA is presented in [Exhibit C](#).

### **BACKGROUND SOIL INVESTIGATION**

On April 17<sup>th</sup> and April 18<sup>th</sup>, 2023, background soil investigation was conducted to document the presence of contaminants of concern (mercury, lead and PCB) in Site soil. Fourteen (14) soil samples throughout the site were collected and all soil samples were collected at various depth intervals. [Table 1](#) presents the background soil samples depths, PID and mercury vapor readings. [Figure 1](#) shows background soil samples locations. [Exhibit B](#) presents laboratory background soil samples results.

The third-party data validator, Jeri Rossi, is currently reviewing the background soil samples as per the requirements of the QAPP.

ENVOCARE has recommended more background samples for additional analysis of the compounds other than lead mercury and PCBs that have exceeded their respective criteria.

Please contact the undersigned at (732) 208-0928 if you have any questions or comments.

Kind Regards,

Devang Patel  
Project Manager

Attachments:

Exhibit A- Stockpile Samples Results

Exhibit B – Background Samples Results

Exhibit C – Off-Site Rule Form

Figure 1 - Sample Location Map

Table 1 - Sample Summary





Scale in Feet

**Legend**

- ★ Site Location
- Property Boundary
- Pile Location
- Proposed Background Locations
- Proposed Sectioning of Background locations

NOTES:  
1. PARCEL DATA OBTAINED FROM NEW JERSEY GEOGRAPHIC INFORMATION NETWORK (NJGIN)  
2. PARCEL DATA IS NOT FROM A LICENSED SURVEYOR... AERIAL AND PROPERTY LINE MAY NOT ALIGN  
3. SERVICE LAYER CREDITS: COPYRIGHT NEARMAP

  
1 " = 160 miles

**Figure 1**  
Sample Location Map

366-394 Wilson Avenue  
(Block: 5038, Lot: 97)  
Newark, New Jersey

Project No: 150405

Date: July 2020

Drawn By: K. Starkes

Checked By: DP

ENVIRONMENTAL & FACILITY MANAGEMENT



Table1-Summary of Soil Samples  
366-394 Wilson Avenue, Newark, NJ

Sample ID	Depth(ft)	PID (ppm)	Mercury Vapor Readings (ug/m3)	Sample Time	analysis	sample method
<b>Waste Characterization Sample ID</b>						
<b>Stockpile A</b>						
SPA-1WC_23_04_17	2-5	44	0.24	1015	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPA-2WC_23_04_17	2-5	7	0	1035	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPA-3WC_23_04_17	2-5	54	0.14	1100	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPA-4WC_23_04_17	2-5	22	0	1115	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPA-5WC_23_04_17	2-5	11	0.04	1130	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
<b>Stockpile B</b>						
SPB-1WC_23_04_17	2-5	0	0.79	1200	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-2WC_23_04_17	2-5	0	2.81	1240	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-3WC_23_04_17	2-5	0	1.86	1250	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-4WC_23_04_17	2-5	0	0.22	1300	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-5WC_23_04_17	2-5	0	2.26	1305	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-6WC_23_04_17	2-5	0	3.86	1310	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-7WC_23_04_17	2-5	0	1.76	1315	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPB-8WC_23_04_17	2-5	0	1.89	1320	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
<b>Stockpile C</b>						
SPC-1WC_23_04_17	2-5	0	1.89	1410	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPC-2WC_23_04_17	2-5	0	2.09	1420	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPC-3WC_23_04_17	2-5	0	1.66	1430	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
<b>Stockpile D</b>						
SPD-1WC_23_04_18	2-5	0	0.13	1015	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPD-2WC_23_04_18	2-5	0	0.07	1030	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
<b>Stockpile E</b>						
SPE-1WC_23_04_18	2-5	1	0.12	0950	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
SPE-2WC_23_04_18	2-5	0	0.12	1010	TCLP/TCL VOCs, EPH Cat 1, TCLP Full minus VOCs, TCL/TAL minus VOCs, Paint Filter RCRA Characteristics	Grab & Composite
<b>Background samples ID</b>						
1BG_23_04_17	1-1.5	0	0.15	0915	Lead, Mercury, PCBs	Grab
2BG_23_04_17	1-1.5	0	0.30	0945	Lead, Mercury, PCBs	Grab
3BG_23_04_17	1.5-2	155	0.21	0950	Lead, Mercury, PCBs	Grab
4BG_23_04_17	1-1.5	0	0.16	1515	Lead, Mercury, PCBs	Grab
5BG_23_04_17	1-1.5	0	0.40	1510	Lead, Mercury, PCBs	Grab
6BG_23_04_17	1-1.5	0	0.26	1505	Lead, Mercury, PCBs	Grab
7BG_23_04_17	0.5-1	0	0.19	1520	Lead, Mercury, PCBs	Grab
8BG_23_04_18	0.5-1	0	0.43	0830	Lead, Mercury, PCBs	Grab
9BG_23_04_18	0.5-1	0	0.34	0820	Lead, Mercury, PCBs	Grab
10BG_23_04_17	1-1.5	0	0.20	1445	Lead, Mercury, PCBs	Grab
11BG_23_04_18	0.5-1	0	0.03	0840	Lead, Mercury, PCBs	Grab
12BG_23_04_18	0.5-1	7	0.50	0850	Lead, Mercury, PCBs	Grab
13BG_23_04_17	1-1.5	74	0.62	1500	Lead, Mercury, PCBs	Grab
14BG_23_04_17	1-1.5	10	1.01	1450	Lead, Mercury, PCBs	Grab

Table1-Summary of Soil Samples  
366-394 Wilson Avenue, Newark, NJ

Sample ID	Depth(ft)	PID (ppm)	Mercury Vapor Readings (ug/m3)	Sample Time	analysis	sample method
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Footnotes

EPH: Extractable Petroleum

PPM: Parts per million

TCLP: Toxic Characteristic Leaching Procedure

TCL: Target Compound List

VOCs: Volatile Orgnaic Compounds

RCRA: Resource Conservation and Recovery Act

ug/m3: micrograms per meter cube

## Exhibit A – Stockpile Sample Results

366-394 Wilson Ave  
Analytical Results - Stockpile A

	MOW-SRS	NRD-SRS	NRU-SRS	RD-SRS	RJ-SRS	TCLP 20x Rule	SPA-1WC-23-04	SPA-1WC-23-04	SPA-1WC-23-04ME	SPA-1WC-23-04ME	SPA-2WC-23-04	SPA-2WC-23-04	SPA-3WC-23-04	SPA-3WC-23-04	SPA-3WC-23-04ME	SPA-4WC-23-04	SPA-4WC-23-04	SPA-5WC-23-04	SPA-5WC-23-04	SPA-5WC-23-04ME
Sampling Date							4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023
Matrix	CAS #	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
[Cyanide] - [SOIL] - [mg/kg]																				
Cyanide	57-12-6	20	780		47			465 D			243 D		499 D		588 D		506 D			
[Hexavalent Chromium] - [SOIL] - [mg/kg]																				
Hexavalent Chromium	Hexavalent Chromium							0.19 U			0.17 U		0.2 U		0.19 U		0.2 U			
[Paint Fiber] - [SOIL] - [mf/100gm]																				
Paint Fiber							1 U				1 U		1 U		1 U		1 U			
[Metals] - [SOIL] - [mg/kg]																				
Aluminum	7429-90-5				78000			10300			9110		8660		9550		9910			
Antimony	7440-36-0	5.4	520		31	1100	100	3.67 J			3.09		3.93				2.57 J			
Arsenic	7440-38-2	19	19	5200	19	1100	100	1960 D			816 D		626		1390 D		999 D			
Barium	7440-39-3	2100	26000		16000	87000	2000	625			625		443		732		624		0.024 U	
Beryllium	7440-41-7	0.7	2600	930	160	2000		1.3			0.94		1.06		2.35		2.63			
Cadmium	7440-43-9	1.9	1100	12000	71	2600	20	194			87.1		83.9		201		197			
Calcium	7440-70-2							21000			13400		33400		23800		17500			
Chromium	7440-47-3							360 D			402 D		396 D		522 D		468 D			
Cobalt	7440-48-4	90	390	2500	23	520	100	108			52.3		85.3		106		73.5			
Copper	7440-50-8	910	52000		3100			1120			1240		3840		1210		913			
Iron	7439-89-6							31300			20400		28500		30300		26700			
Lead	7439-92-1	90	800		400	100		2390			1690		1910		3690		2290			
Magnesium	7439-95-4							4910			7510		8910		3630		7560			
Manganese	7439-96-5	31000	400000	1900	87000			563			434		615		558		492			
Mercury	7439-97-6	0.1	390	23	520000	4		230 D			311 D		0.095		617 D		607 D			
Nickel	7440-02-0	48	26000	93000	1600	20000		219			1275		2360		990		225			
Potassium	90774-00							910			724		907		902		902			
Selenium	7782-49-2	11	6500		390	20		1.44 J			0.81 J		0.45 U		1.65		1.05 J			
Silver	7440-22-4	0.5	6500		390	100		25.3			16.1		20.3		33		24.4			
Sodium	7440-23-5							867			442		899		861		613			
Tellurium	7440-29-0							0.67 U			0.64 U		0.6 U		0.69 U		0.69 U			
Vanadium	7440-62-2		6500	800000	390	170000		47.4			36.1		39.5		54.3		48.1			
Zinc	7440-66-6	930	390000		23000			1460			1300		1920		1640		1330			
[EPH P2] - [SOIL] - [mg/kg]																				
Aliphatic C8-C28	Aliphatic C8-C28	75000		5300				5510			4080		4560		5300		8930			
Total EPH	Total EPH							5510			4080		4560		5300		8930			
[Herbicides] - [SOIL] - [mg/kg]																				
2,4,5-T	93-76-5							0.015 U		0.015 U	0.014 U		0.016 U		0.016 U		0.016 U		0.016 U	
2,4,5-TP (isovs)	93-75-1							0.023 U		0.023 U	0.021 U		0.024 U		0.024 U		0.024 U		0.024 U	
2,4-D	94-75-7					200		0.026 U		0.026 U	0.024 U		0.027 U		0.027 U		0.027 U		0.027 U	
2,4-DB	94-82-6							0.02 U		0.018 U	0.018 U		0.021 U		0.02 U		0.021 U		0.021 U	
DCAMBA	1918-00-9							0.014 U		0.014 U	0.013 U		0.015 U		0.014 U		0.015 U		0.015 U	
DNOC/DNOP	130-36-5							0.016 U		0.016 U	0.017 U		0.016 U		0.016 U		0.016 U		0.016 U	
DNOC/SB	88-85-7							0.025 U		0.025 U	0.023 U		0.027 U		0.026 U		0.027 U		0.027 U	
[PCB] - [SOIL] - [mg/kg]																				
Aroclor-1016	12674-11-2	1.6	1.1		0.25			0.056 U			0.052 U		0.029 U		0.058 U		0.059 U			
Aroclor-1221	11104-28-2	1.6	1.1		0.25			0.091 U		1.1	0.094 U		0.046 U		0.094 U		0.046 U			
Aroclor-1232	11141-19-5	1.6	1.1		0.25			0.037 U			0.066 U		0.037 U		0.073 U		0.074 U			
Aroclor-1242	53469-21-9	1.6	1.1		0.25			89 DP			22 DP		30 DP		49 DP		89 DP			
Aroclor-1248	12672-29-6	1.6	1.1		0.25			0.041 U			0.041 U		0.023 U		0.045 U		0.046 U			
Aroclor-1254	11107-60-1	1.6	1.1		0.25			126 D			28 D		37 DP		87 DP		126 DP			
Aroclor-1260	11106-62-6	1.6	1.1		0.25			0.052 U			0.052 U		0.027 U		0.054 U		0.055 U			
Aroclor-1262	37324-23-5	1.6	1.1		0.25			0.042 U			0.04 U		0.022 U		0.044 U		0.045 U			
Aroclor-1268	11100-14-6	1.6	1.1		0.25			0.051 U			0.048 U		0.027 U		0.053 U		0.054 U			
[Pesticide-TCL] - [SOIL] - [mg/kg]																				
4,4-DDD	72-54-8	0.47	11		2.3			37 D			32 D		37 DP		74 DP		39 D			
4,4-DDE	72-55-9	0.47	11		2			0.0056 U			0.0053 U		0.003 U		0.0029 U		0.003 U			
4,4-DDT	50-29-3	0.67	9.5		1.9			0.0065 U			0.0062 U		0.0034 U		0.0034 U		0.0034 U			
Aldrin	309-00-2	0.13	0.21		0.041			0.0062 U			0.0059 U		0.0033 U		0.0032 U		0.0033 U			
alpha-BHC	319-84-6	0.0023	0.41		0.086			0.0075 U			0.0087 U		0.0039 U		0.0039 U		0.0039 U			
beta-BHC	319-85-7	0.0046	1.4		0.3			0.016 U			0.015 U		0.0085 U		0.0085 U		0.0085 U			
Chlordane(alpha and gamma forms summed)	57-74-9	1.4	1.4		0.27	0.6		0.013 U			0.00606 U		0.00606 U		0.00606 U		0.00606 U			
delta-BHC	319-86-8				0.034			0.013 U			0.012 U		0.0067 U		0.0066 U		0.0067 U			
Dieldrin	60-57-1	0.024	0.16		0.034			0.0056 U			0.0055 U		0.003 U		0.0029 U		0.003 U			
Endosulfan I and Endosulfan II (summed)	115-29-7		7800		470			0.013 U			0.0066 U		0.0067 U		0.0066 U		0.0067 U			
Endosulfan Sulfate	1031-07-8							0.0056 U			0.0053 U		0.0029 U		0.003 U		0.003 U			
Endrin	72-20-8	1.6	270		19	0.4		0.0063 U			0.006 U		0.0028 U		0.0027 U		0.0028 U			
Endrin aldehyde	7421-89-4							0.009 U			0.0087 U		0.0047 U		0.0046 U		0.0046 U			
Endrin ketone	63034-70-5							0.009 U			0.0086 U		0.0046 U		0.0046 U		0.0046 U			
gamma-BHC (Lindane)	58-89-9	0.0035	2.8		0.57	8		0.0069 U			0.0064 U		0.0036 U		0.0035 U		0.0036 U			
Heptachlor	76-44-8	0.083	0.81		0.15	0.2		0.0072 U			0.0067 U		0.0038 U		0.0037 U		0.0038 U			
Heptachlor epoxide	1024-07-3	0.081	0.4		0.076			0.009 U			0.0086 U		0.0046 U		0.0046 U		0.0046 U			
Methoxychlor	72-43-5		4600		320	200		0.0079 U			0.0075 U		0.0041 U		0.004 U		0.0041 U			
Toxaphene	8001-35-2	6.2	2.3		0.49	10		0.21 U			0.19 U		0.11 U		0.11 U		0.11 U			
[SVOC-TCL BNA-20] - [SOIL] - [mg/kg]																				
1,4-Biphenyl	92-52-4		450		87			12			3.1		5.1 D		6.1 D		11.3 D			
1,2,4,5-Tetrachlorobenzene	95-94-3		390		20			0.7 U			0.13 U		0.15 U		0.14 U		0.3			
1,4-Dioxane	123-91-1	0.067	36	210	7	45		0.91 U			0.17 U		0.19 U		0.19 U		0.19 U			
2,3,4,6-Tetrachlorophenol	58-90-2	26	27000		1900			0.65 U			0.12 U		0.14 U		0.14 U		0.14 U			
2,4,5-Trichlorophenol	95-95-4	68	91000		6300			0.69 U			0.13 U		0.14 U		0.14 U		0.14 U			
2,4,6-Trichlorophenol	88-06-2	0.86	290		40			0.6 U			0.11 U		0.13 U		0.13 U		0.13 U			
2,4-Dichlorophenol	120-83-2	0.19	2700		190			0.61 U			0.11 U		0.13 U		0.13 U		0.13 U			
2,4-Dimethylphenol	105-67-9	2.3	18000		1300			2.7			1.3		1.7		1.1		1.7			
2,4-Dichlorophenol	120-83-2	0.33	1800		130			1.4 U			0.28 U		0.3 U		0.29 U					



366-394 Wilson Ave  
Analytical Results - Stockpile A

[VOC-TCLVDA-16] - [BQL] - [mg/kg]																											
1,1,1-Trichloroethane	71-55-6	0.2													0.0015 U	1.8 UD	0.14 U	0.0016 U	1.8 UD	1.7 U							1.7 U
1,1,2,2-Tetrachloroethane	79-34-5	0.009	16												0.0021 U	2.5 UD	0.2 U	0.0022 U	2.6 UD	2.4 U							2.4 U
1,1,2-Trichloroethane	79-00-5	0.017	64												0.0017 U	2 UD	0.16 U	0.0018 U	2.1 UD	1.9 U							1.9 U
1,1,2-Trichlorotrifluoroethane	76-13-1														0.0014 U	1.7 UD	0.13 U	0.0015 U	1.7 UD	1.6 U							1.6 U
1,1-Dichloroethane	75-34-3	0.24	640												0.0014 U	1.7 UD	0.13 U	0.0015 U	1.7 UD	1.6 U							1.6 U
1,1-Dichloroethylene	75-35-4	0.0069	180	240											0.0016 U	1.9 UD	0.15 U	0.0016 U	1.9 UD	1.8 U							1.7 U
1,2,3-Trichlorobenzene	87-61-6														0.22	9 JD	0.86 J	0.091	6.6 JD	1.4 U							1.4 U
1,2,4-Trichlorobenzene	120-82-1	0.52	13000												<b>E</b>	<b>34.3 D</b>	<b>4</b>	0.41 E	<b>26.5 D</b>	<b>26</b>							<b>12</b>
1,2-Dibromo-3-Chloropropane	96-12-8	0.005	4.5	0.12	0.87	0.026									0.0024 U	2.8 UD	0.22 U	0.0025 U	2.9 UD	2.6 U							2.6 U
1,2-Dibromochloroethane	106-63-4	0.005	1.8	0.41	0.35	0.085									0.0016 U	1.9 UD	0.15 U	0.0016 U	1.9 UD	1.8 U							1.7 U
1,2-Dichlorobenzene	95-50-1	11	110000												4.2 E	<b>76 D</b>	<b>4</b>	5.6 E	<b>34.6 D</b>	<b>36.7</b>							<b>36.7</b>
1,2-Dichloroethane	107-06-2	0.0095	30	320	5.8	71	10								0.0014 U	1.7 UD	0.13 U	0.0015 U	1.7 UD	1.6 U							1.6 U
1,2-Dichloropropane	78-87-5	0.0058	98	27	19	5.7									0.0012 U	1.4 UD	0.11 U	0.0012 U	1.4 UD	1.3 U							1.3 U
1,3-Dichlorobenzene	541-73-1	11	110000												0.62 E	<b>125 D</b>	<b>3.4</b>	0.78 E	<b>135 D</b>	10.4 J							<b>12.8</b>
1,3-Dichloropropane (total)	542-75-6	0.0063	36	23	7	4.8									0.003 U	3.5 UD	0.0029 U	0.0031 U	3.6 UD	3.3 U							3.3 U
1,4-Dichlorobenzene	106-46-7	1.4	13000												<b>E</b>	<b>64 D</b>	<b>6.5</b>	<b>3.8 E</b>	<b>63.3 D</b>	<b>41.3</b>							<b>54.9</b>
2-Butanone	78-93-3	0.98	760000												0.14	17.1 UD	1.3 U	0.13	17.5 UD	16.1 U							16 U
2-Hexanone	591-78-6	0.15	6500												0.011 U	12.4 UD	0.97 U	0.011 U	12.7 UD	11.7 U							11.6 U
4-Methyl-2-Pentanone	108-10-1														0.009 U	10.6 UD	0.83 U	0.009 U	10.8 UD	10 U							9.9 U
Acetone	67-64-1	19													0.41	22.1 UD	1.7 U	0.35	22.5 UD	20.8 U							20.6 U
Benzene	71-43-2	0.0094	16	11	3	2.2	10								<b>E</b>	<b>1.6 UD</b>	<b>0.3 J</b>	<b>0.72 E</b>	<b>4.6 JD</b>	1.5 U							1.4 U
Bromochloromethane	74-97-5														0.0047 U	5.6 UD	0.44 U	0.0049 U	5.7 UD	5.2 U							5.2 U
Bromodichloromethane	75-27-4	0.005	59												0.0014 U	1.6 UD	0.13 U	0.0015 U	1.7 UD	1.6 U							1.5 U
Bromofrom	75-25-2	0.018	460												0.0019 U	2.2 UD	0.18 U	0.002 U	2.3 UD	2.1 U							2.1 U
Bromomethane	74-83-9	0.043	1800	82	110	18									0.0024 U	2.8 UD	0.22 U	0.0025 U	2.9 UD	2.7 U							2.7 U
Carbon Disulfide	75-15-0	3.7													0.0044 U	5.2 UD	0.41 U	0.0067 J	5.3 UD	4.9 U							4.8 U
Carbon Tetrachloride	56-23-5	0.0075	40	6.9	7.6	1.4	10								0.0016 U	1.8 UD	0.14 U	0.0016 U	1.9 UD	1.7 U							1.7 U
Chlorobenzene	108-90-7	0.64	8400												<b>E</b>	<b>34.4 D</b>	<b>1.1</b>	<b>3.8 E</b>	<b>35.1 D</b>	<b>18.6</b>							<b>15.3</b>
Chloroethane	75-00-3														0.0018 U	2.1 UD	0.16 U	0.0018 U	2.1 UD	2 U							1.9 U
Chloroform	67-66-3	0.33	13000												0.0026 U	3.1 UD	0.24 U	0.0028 U	3.2 UD	2.9 U							2.9 U
Chloromethane	74-87-3														0.0018 U	2.1 UD	0.17 U	0.0019 U	2.2 UD	2 U							2 U
cis-1,2-Dichloroethane	156-59-2	0.35	13000												0.0013 U	1.5 UD	0.12 U	0.0033 J	1.5 UD	1.4 U							1.4 U
Cyclohexane	110-82-7														0.096	1.6 UD	0.13 U	0.29	1.7 UD	1.6 U							1.5 U
Dibromochloromethane	124-48-1	0.005	43												0.0017 U	2 UD	0.16 U	0.0018 U	2 UD	1.9 U							1.9 U
Dichlorodifluoromethane	75-71-8	38	260000												0.0033 U	<b>3.8 UD</b>	0.3 U	0.0034 U	<b>3.9 UD</b>	<b>3.6 U</b>							<b>3.6 U</b>
Ethyl Benzene	100-41-4	15	130000	48											<b>E</b>	<b>30.6 D</b>	1.5	4.9 E	<b>143 D</b>	<b>69.7</b>							<b>56.4</b>
Isopropylbenzene	98-82-8	22	130000												0.7 E	13.4 D	0.37 J	0.68 E	<b>13.9 D</b>	<b>8.7 J</b>							<b>8.2 J</b>
Methyl Acetate	79-20-9	22													0.0032 U	3.8 UD	0.3 U	0.0034 U	3.9 UD	3.6 U							3.6 U
Methyl tert-butyl Ether	1634-04-4	0.25	13000	650											0.0013 U	1.5 UD	0.12 U	0.0014 U	1.6 UD	1.4 U							1.4 U
Methylnaphthalene	109-87-2														0.41 E	7.9 UD	1.1	1.1 E	8.3 JD	7.5 U							7.4 U
Methylene Chloride	75-09-2	0.013	260												0.012 U	14.2 UD	1.1 U	0.013 U	14.5 UD	13.4 U							13.3 U
Styrene	100-42-5	2.1	260000												0.0014 U	1.6 UD	0.13 U	0.0014 U	1.7 UD	1.5 U							1.5 U
Tetrachloroethene	127-18-4	0.0086	1700												0.0021 J	1.8 UD	0.14 U	0.0016 U	1.8 UD	1.7 U							1.7 U
Toluene	106-98-3	7.8	100000												0.27 E	4.6 JD	0.28 U	0.27 E	<b>11.9 D</b>	<b>11.9</b>							11.5 U
Total Xylenes	1330-20-7	19	190000												<b>E</b>	<b>253 D</b>	3.12	<b>30.3 E</b>	<b>362 D</b>	<b>195</b>							<b>132</b>
trans-1,2-Dichloroethene	156-60-5	0.56	22000												0.0015 U	1.7 UD	0.13 U	0.0015 U	1.8 UD	1.6 U							1.6 U
Trichloroethene	79-01-6	0.0065	79	14	15	3	10								0.0013 U	1.6 UD	0.12 U	0.0014 U	1.6 UD	1.5 U							1.4 U
Trichlorofluoroethane	75-09-4	29	390000												0.0021 U	2.5 UD	0.2 U	0.0022 U	2.5 UD	2.4 U							2.3 U
Vinyl Chloride	75-01-4	0.0067	5	6.4	0.97	1.4	4								0.0019 U	2.2 UD	0.17 U	0.0019 U	2.2 UD	2.1 U							2 U
<b>YELLOW HIGHLIGHTS - ONE OR MORE EXCEEDANCES</b>																											
MGLW SRS: Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria																											
NR-SRS: Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria																											
NRD-SRS: Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria																											
RI-SRS: Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria																											
RIS-SRS: Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria																											
<b>Qualifiers</b>																											
U - The compound was not detected at the indicated concentration.																											
N (Organics) - Presumptive Evidence of a Compound																											
N (Inorganics) - The matrix spike recovery was outside control limits																											
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.																											
The concentration given is an approximate value.																											
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.																											
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.																											
(Organics) - For dual column analysis, the lowest quantitation concentration is being reported due to co-eluting interferences.																											
(Inorganics) - The sample/blank ratio was above the control limit.																											
E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.																											
(Inorganics) - The reported value is estimated because of the presence of interference.																											
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.																											
Q - Indicates LCS control criteria did not meet requirements.																											
NR - Not analyzed																											

366-394 Wilson Ave  
Analytical Results - Stockpile A  
TCLP

		TCLP Maximum Contaminant Concentrations (40 CFR 261.696)															
Sample ID	Sampling Date	CAS #	TCLP	SPA-1WC-23-04	SPA-1WC-23-04	SPA-2WC-23-04	SPA-2WC-23-04	SPA-2WC-23-04RE	SPA-3WC-23-04	SPA-3WC-23-04	SPA-3WC-23-04RE	SPA-4WC-23-04	SPA-4WC-23-04	SPA-4WC-23-04RE	SPA-5WC-23-04	SPA-5WC-23-04	SPA-5WC-23-04RE
Matrix				4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023
[Corrosivity] - [SOIL] - [pH]				TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
Corrosivity					8.08		7.76		7.85		7.68		7.68			8	
[Ignitability] - [SOIL] - [pC]																	
Ignitability				IGNIT	No		No		No		No		No			No	
[Reactive Cyanide] - [SOIL] - [mg/Kg]																	
Reactive Cyanide				RECY	0.011 U		0.011 U		0.011 U		0.011 U		0.011 U			0.038 J	
[Reactive Sulfide] - [SOIL] - [mg/Kg]																	
Reactive Sulfide				RESU	7.91 J		4.75 J		4.73 J		7.97 J		7.95 J				
[TCLP-Metals] - [TCLP] - [mg/l]																	
Arsenic				7440-39-2	5	1.69	2.96		2.67		2.94					3	
Barium				7440-39-3	100	2.59	2.97		2.72		3.18					3.7	
Cadmium				7440-43-9	1	0.001 U	0.001 U		0.0031 J		0.001 U				0.001 U		
Chromium				7440-47-3	5	0.029 J	0.088		0.04 J		0.04 J				0.032 J		
Lead				7439-92-1	5	0.035 U	0.053 J		0.21		0.078				0.035 U		
Mercury				7439-97-6	0.2	0.0025	0.0021		0.012		0.011				0.0038		
Selenium				7782-49-2	1	0.059 U	0.059 U		0.059 U		0.059 U				0.059 U		
Silver				7440-22-4	5	0.0066 U	0.0068 J		0.0066 U		0.0066 U				0.0066 U		
[TCLP Herbicide] - [TCLP] - [mg/l]																	
2,4,5-TP (Silvex)				93-72-1	1	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U
2,4-D				94-75-7	10	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U
[TCLP Pesticide] - [TCLP] - [mg/l]																	
Chlordane				57-74-9		0.00097 U	0.00097 U		0.00097 U		0.00097 U		0.00097 U			0.00097 U	
Chlordane(alpha and gamma forms summed)				57-74-9		0.00014 U	0.00014 U		0.00014 U		0.00014 U		0.00014 U			0.00014 U	
Endosulfan I and Endosulfan II (summed)				115-29-7		0.00014 U	0.00014 U		0.00014 U		0.00014 U		0.00014 U			0.00014 U	
Endrin				72-20-8	0.02	0.000043 U	0.000043 U		0.000043 U		0.000043 U		0.000043 U			0.000043 U	
gamma-BHC (Lindane)				58-89-9	0.4	0.000064 U	0.000064 U		0.000064 U		0.000064 U		0.000064 U			0.000064 U	
Heptachlor				76-44-8	0.008	0.000073 U	0.000073 U		0.000073 U		0.000073 U		0.000073 U			0.000073 U	
Heptachlor epoxide				1024-57-3	0.008	0.0001 U	0.0001 U		0.0001 U		0.0001 U		0.0001 U			0.0001 U	
Methoxychlor				72-43-5	10	0.000066 U	0.000066 U		0.000066 U		0.000066 U		0.000066 U			0.000066 U	
Toxaphene				8001-35-2	0.5	0.0018 U	0.0018 U		0.0018 U		0.0018 U		0.0018 U			0.0018 U	
[TCLP BNA] - [TCLP] - [mg/l]																	
1,4-Dichlorobenzene				106-46-7	7.5	0.052	0.042 J		0.042 J		0.041 J		0.067				
2,4,5-Trichlorophenol				95-95-4	400	0.016 U	0.016 U		0.016 U		0.016 U		0.016 U			0.016 U	
2,4,6-Trichlorophenol				88-06-2	2	0.015 U	0.015 U		0.015 U		0.015 U		0.015 U			0.015 U	
2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)				25321-14-6		0.046 U	0.046 U		0.046 U		0.046 U		0.046 U			0.046 U	
2-Methylphenol				95-48-7	200	0.021 U	0.021 U		0.021 U		0.021 U		0.021 U			0.021 U	
3-4-Methylphenols				65794-96-9		0.022 U	0.022 U		0.022 U		0.022 U		0.022 U			0.022 U	
Hexachlorobenzene				118-74-1	0.13	0.019 U	0.019 U		0.019 U		0.019 U		0.019 U			0.019 U	
Hexachlorobutadiene				87-68-3	0.5	0.019 U	0.019 U		0.019 U		0.019 U		0.019 U			0.019 U	
Hexachloroethane				67-72-1	3	0.016 U	0.016 U		0.016 U		0.016 U		0.016 U			0.016 U	
Nitrobenzene				98-95-3	2	0.017 U	0.017 U		0.017 U		0.017 U		0.017 U			0.017 U	
Pentachlorophenol				87-86-5	100	0.026 U	0.026 U		0.026 U		0.026 U		0.026 U			0.026 U	
Pyridine				110-86-1	5	0.018 U	0.018 U		0.018 U		0.018 U		0.018 U			0.018 U	
[TCLP VOA] - [TCLP] - [mg/l]																	
1,1-Dichloroethene				75-35-4	0.7	0.00021 U	0.00021 U		0.00021 U		0.00021 U		0.00021 U			0.00021 U	
1,2-Dichloroethane				107-06-2	0.5	0.00016 U	0.00016 U		0.00016 U		0.00016 U		0.00016 U			0.00016 U	
1,3-Dichloropropene (total)				542-75-6		0.00032 U	0.00032 U		0.00032 U		0.00032 U		0.00032 U			0.00032 U	
2-Butanone				78-93-3	200	0.0012 U	0.0082 J		0.0012 U		0.0012 U		0.0067 J			0.0067 J	
Benzene				71-43-2	0.5	0.064	0.037		0.18 D		0.16 D		0.097 D			0.097 D	
Carbon Tetrachloride				56-23-5	0.5	0.00013 U	0.00013 U		0.00013 U		0.00013 U		0.00013 U			0.00013 U	
Chlorobenzene				108-90-7	100	0.21 D	0.077		0.21 D		0.24 D		0.17 D			0.17 D	
Chloroform				67-66-3	6	0.00014 U	0.00014 U		0.00014 U		0.00014 U		0.00014 U			0.00014 U	
Tetrachloroethene				127-18-4	0.7	0.00017 U	0.00017 U		0.00017 U		0.00017 U		0.00017 U			0.00017 U	
Total Xylenes				1330-20-7		0.64 D	0.19		0.96 D		1.03 D		0.64 D			0.64 D	
Trichloroethene				79-01-6	0.5	0.00026 U	0.00026 U		0.00026 U		0.00026 U		0.00026 U			0.00026 U	
Vinyl Chloride				75-01-4	0.2	0.00025 U	0.00025 U		0.00025 U		0.00025 U		0.00025 U			0.00025 U	

Qualifiers

U - The compound was not detected at the indicated concentration.

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.  
The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

\* (Inorganics) - The sample/duplicate %RPD was above the control limit.

E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Q - Indicates LCS control criteria did not meet requirements.

NR - Not analyzed





366-394 Wilson Ave  
Analytical Results - Stockpile B

[VOC-TCLVGA-16]-[SOL]-[mg/kg]																			
1,1,2-Trichloroethane	71.55-6	0.2								165000	0.0014 U	0.0021 U	0.002 U	0.0017 U	0.0018 U	0.0013 U	0.0017 U	0.0016 U	0.0016 U
1,1,2,2-Tetrachloroethane	75-24-5	0.005	18							1.5	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0016 U	0.002 U	0.0024 U	0.0023 U
1,1,2,2-Tetrachloroethane	75-25-5	0.017	64							12	0.0016 U	0.0024 U	0.0022 U	0.0019 U	0.002 U	0.0014 U	0.0019 U	0.0018 U	0.0018 U
1,1,2,2-Tetrachloroethane	75-13-1										0.0014 U	0.002 U	0.0019 U	0.0018 U	0.0017 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U
1,1-Dichloroethane	75-34-3	0.24	640							120	0.0014 U	0.002 U	0.0017 U	0.0016 U	0.0017 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
1,2-Dichloroethane	75-35-4	0.0080	180	240						11	0.0015 U	0.0022 U	0.002 U	0.0017 U	0.0018 U	0.0013 U	0.0018 U	0.0017 U	0.0017 U
1,2,3-Trichlorobenzene	87-61-6										0.0012 U	0.0018 U	0.0016 U	0.0014 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	0.0013 U
1,2,4-Trichlorobenzene	123-63-1	0.52	13000							780	0.0013 U	0.0017 U	0.0016 U	0.0013 U	0.0014 U	0.001 U	0.0014 U	0.0013 U	0.0013 U
1,2-Dibromo-3-Chloropropane	86-12-8	0.005	4.5	0.12	0.87	0.08				0.008	0.0023 U	0.0033 U	0.0031 U	0.0028 U	0.0028 U	0.002 U	0.0027 U	0.0025 U	0.0025 U
1,2-Dibromomethane	106-93-4	0.005	1.8	0.41	0.35	0.085					0.0015 U	0.0022 U	0.002 U	0.0017 U	0.0018 U	0.0013 U	0.0016 U	0.0017 U	0.0017 U
1,2-Dichlorobenzene	95-50-1	11	110000							6700	0.0011 U	0.0017 U	0.0016 U	0.0013 U	0.0014 U	0.001 U	0.0013 U	0.0013 U	0.0013 U
1,2-Dichloroethane	107-68-2	0.005	30	320						5.8	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.0017 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U
1,2-Dichloropropane	78-87-5	0.0058	98	27						5.7	0.0011 U	0.0016 U	0.0015 U	0.0013 U	0.0014 U	0.00089 U	0.0013 U	0.0013 U	0.0013 U
1,3-Dichlorobenzene	541-75-1	11	110000							6700	0.0013 U	0.0019 U	0.0018 U	0.0015 U	0.0016 U	0.0011 U	0.0015 U	0.0015 U	0.0015 U
1,3-Dichloropropane (total)	543-29-6	0.0053	36	23						7	0.0020 U	0.0031 U	0.0029 U	0.0023 U	0.0023 U	0.0025 U	0.0024 U	0.0022 U	0.0022 U
1,4-Dichlorobenzene	106-46-7	1.4	13000							780	0.0011 U	0.0017 U	0.0016 U	0.0013 U	0.0014 U	0.001 U	0.0013 U	0.0013 U	0.0013 U
2-Butanone	75-25-3	0.96	780000							47000	0.014 U	0.02 U	0.019 U	0.016 U	0.018 U	0.038 J	0.016 U	0.016 U	0.016 U
2-Butanone	501-79-6	0.15	6200							390	0.01 U	0.015 U	0.014 U	0.012 U	0.012 U	0.0089 U	0.012 U	0.011 U	0.011 U
4-Methyl-2-Pentanone	108-15-1										0.0086 U	0.013 U	0.012 U	0.011 U	0.0076 U	0.01 U	0.01 U	0.0096 U	0.0096 U
Acetone	67-64-1	19								70000	0.018 U	0.063 J	0.024 U	0.021 U	0.022 U	0.13	0.021 U	0.02 U	0.02 U
Benzene	71-43-2	0.0094	16	11						3	0.0013 U	0.0018 U	0.0017 U	0.0015 U	0.0011 U	0.0015 U	0.0014 U	0.0014 U	0.0014 U
Bromochloromethane	54-87-5										0.0046 U	0.008 U	0.0081 U	0.0052 U	0.0054 U	0.0033 U	0.0033 U	0.003 U	0.003 U
Bromodichloromethane	75-27-4	0.005	59							11	0.0013 U	0.002 U	0.0018 U	0.0015 U	0.0016 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U
Bromoform	75-25-2	0.016	460							88	0.0018 U	0.0027 U	0.0026 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.002 U	0.002 U
Bromomethane	74-83-9	0.043	1900	82						110	0.0023 U	0.0034 U	0.0031 U	0.0027 U	0.0028 U	0.002 U	0.0027 U	0.0026 U	0.0026 U
Carbon Disulfide	75-15-0	3.7									0.0042 U	0.0081 U	0.0087 U	0.0046 U	0.0057 U	0.0037 U	0.0046 U	0.0047 U	0.0047 U
Carbon Tetrachloride	56-23-5	0.0075	40	6.9	7.6	1.4	10				0.0015 U	0.0022 U	0.002 U	0.0017 U	0.0018 U	0.0013 U	0.0017 U	0.0017 U	0.0017 U
Chlorobenzene	108-90-7	0.84	8400							510	0.0017 U	0.0018 U	0.0016 U	0.0014 U	0.0011 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U
Chloroethane	75-50-3										0.0017 U	0.0023 U	0.0021 U	0.0019 U	0.002 U	0.0015 U	0.002 U	0.0019 U	0.0019 U
Chloroform	67-66-3	0.33	13000							780	0.0025 U	0.0037 U	0.0034 U	0.0028 U	0.0031 U	0.0022 U	0.003 U	0.0028 U	0.0028 U
Chloromethane	74-87-3									1200	0.0017 U	0.0025 U	0.0024 U	0.002 U	0.0015 U	0.002 U	0.0015 U	0.0019 U	0.0019 U
cis-1,2-Dichloroethene	156-64-2	0.35	13000							780	0.0013 U	0.0017 U	0.0016 U	0.0013 U	0.0014 U	0.0011 U	0.0014 U	0.0014 U	0.0014 U
Cyclohexane	110-82-7										0.0013 U	0.002 J	0.0018 U	0.0015 U	0.0016 U	0.0012 U	0.0016 U	0.0015 U	0.0015 U
Dibromochloromethane	124-45-1	0.005	43							8.3	0.0016 U	0.0024 U	0.0022 U	0.0019 U	0.002 U	0.0014 U	0.0019 U	0.0018 U	0.0018 U
Dichlorodifluoromethane	75-71-6	36	260000							16500	0.0023 U	0.0041 U	0.0042 U	0.0026 U	0.0032 U	0.0027 U	0.0037 U	0.0036 U	0.0036 U
Ethyl Benzene	105-41-4	15	130000	48						7800	0.0013 U	0.0019 U	0.0017 U	0.0015 U	0.0016 U	0.0011 U	0.0015 U	0.0014 U	0.0014 U
Isopropylbenzene	98-82-6	22	130000							7800	0.0013 U	0.002 U	0.0018 U	0.0016 U	0.0017 U	0.00095	0.0016 U	0.0015 U	0.0015 U
Methyl Acetate	75-20-8	22								78000	0.0031 U	0.0045 U	0.0042 U	0.0036 U	0.0037 U	0.0026 U	0.0036 U	0.0035 U	0.0035 U
Methyl Isobutyl Ether	1034-64-4	0.25	13000	650						780	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0015 U	0.0011 U	0.0015 U	0.0014 U	0.0014 U
Methylcyclohexane	108-87-2										0.0064 U	0.0084 U	0.0087 U	0.0074 U	0.0057 U	0.0076 U	0.0076 U	0.0072 U	0.0072 U
Methylene Chloride	75-08-2	0.013	260							50	0.012 U	0.017 U	0.016 U	0.013 U	0.014 U	0.01 U	0.014 U	0.013 U	0.013 U
Styrene	105-63-6	5.1	260000							16500	0.0013 U	0.0019 U	0.0018 U	0.0015 U	0.0016 U	0.0012 U	0.0015 U	0.0015 U	0.0015 U
Tetrachloroethane	127-18-4	0.0086	1700							330	0.0015 U	0.0022 U	0.002 U	0.0017 U	0.0018 U	0.0013 U	0.0018 U	0.0016 U	0.0016 U
Toluene	108-88-3	7.8	100000							6300	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0015 U	0.0011 U	0.0015 U	0.0014 U	0.0014 U
Toutylbenzene	1330-20-7	19	190000							12000	0.0042 U	0.0067 U	0.0062 U	0.0046 U	0.0051 U	0.003	0.0046 U	0.0047 U	0.0047 U
trans-1,2-Dichloroethane	156-60-5	0.56	22000							1300	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.0017 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
Trichloroethane	79-01-6	0.0065	79	14						15	0.0013 U	0.0018 U	0.0017 U	0.0015 U	0.0016 U	0.0011 U	0.0015 U	0.0014 U	0.0014 U
Trichlorofluoromethane	75-69-4	29	350000							23000	0.002 U	0.003 U	0.0027 U	0.0023 U	0.0025 U	0.0016 U	0.0024 U	0.0023 U	0.0023 U
Vinyl Chloride	75-01-4	0.0067	5	6.4	0.97	1.4	4				0.0016 U	0.0024 U	0.0024 U	0.0021 U	0.0022 U	0.0016 U	0.0021 U	0.002 U	0.002 U

YELLOW HIGHLIGHTS - ONE OR MORE EXCEEDANCES

MGR-SG: Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria  
NR-SRS: Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria  
NRD-SRS: Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria  
R-SRS: Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria  
RID-SRS: Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

Qualifiers

U - The compound was not detected at the indicated concentration.  
N (Organics) - Presumptive Evidence of a Compound  
N (Inorganics) - The matrix spike recovery was outside control limits  
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.  
The concentration given is an approximate value.  
B - The analysis was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.  
P - For dual column analysis, the percent difference between the quantified concentrations on the two columns is greater than 40%.  
\* (Organics) - For dual column analysis, the lowest quantified concentration is being reported due to coeluting interference.  
\* (Inorganics) - The sample/duplicate %RPD was above the control limit.  
E (Organics) - Indicates that the analyte's concentration exceeds the calibrated range of the instrument for that specific analyte.  
E (Inorganics) - The reported value is estimated because of the presence of interference.  
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.  
G - Indicates LCS control criteria did not meet requirements.  
NR - Not analyzed

366-394 Wilson Ave  
Analytical Results - Stockpile B  
TCLP

		TCLP maximum Concentrations (40 CFR 261.696)																	
Sample ID	Sampling Date	CAS #	TCLP	SPB-1WC-23-04-17 4/17/2023	SPB-1WC-23-04-17 4/17/2023	SPB-2WC-23-04-17 4/17/2023	SPB-2WC-23-04-17 4/17/2023	SPB-3WC-23-04-17 4/17/2023	SPB-3WC-23-04-17 4/17/2023	SPB-4WC-23-04-17 4/17/2023	SPB-4WC-23-04-17 4/17/2023	SPB-5WC-23-04-17 4/17/2023	SPB-5WC-23-04-17 4/17/2023	SPB-6WC-23-04-17 4/17/2023	SPB-7WC-23-04-17 4/17/2023	SPB-7WC-23-04-17 4/17/2023	SPB-8WC-23-04-17 4/17/2023	SPB-8WC-23-04-17 4/17/2023	
Matrix																			
[Corrosivity] - [SOIL] - [pH]																			
Corrosivity					7.92	7.25		7.22		7.5		7.37		7.41		7.4		7.51	
[Ignitability] - [SOIL] - [oC]																			
Ignitability					IGNIT	No	No	No	No	No	No	No	No	No	No	No	No	No	
[Reactive Cyanide] - [SOIL] - [mg/Kg]																			
Reactive Cyanide					RECY	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	
[Reactive Sulfide] - [SOIL] - [mg/Kg]																			
Reactive Sulfide					RESU	2.98 U	6.32 J	3.18 J	7.94 J	7.95 J	7.95 J	4.76 J	6.34 J	7.95 J					
[TCLP Metals] - [TCLP] - [mg/l]																			
Arsenic					7440-38-2	5	0.035 U	0.035 U	0.041 J	0.035 U	0.15	0.2	0.2	0.36 J	0.3	0.2	0.36 J	0.48 J	
Barium					7440-39-3	100	0.71	0.86	0.91	1.53	0.86	1.64	0.9	0.9	0.9	0.9	1.23	1.23	
Cadmium					7440-43-9	1	0.26	0.23	0.23	0.2	0.28	0.23	0.22	0.22	0.22	0.22	0.22	0.22	
Chromium					7440-47-3	5	0.008 U	0.008 U	0.013 J	0.013 J	0.018 J	0.02 J	0.02 J	0.061	0.018 J	0.018 J	0.018 J	0.018 J	
Lead					7439-92-1	5	3.11	2.23	2.2	2.33	2.96	8.96	1.99	4.33	1.99	4.33	1.99	4.33	
Mercury					7439-97-6	0.2	0.039	0.035	0.044	0.033	0.092	0.079	0.079	0.075	0.075	0.075	0.075	0.075	
Selenium					7782-49-2	1	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	0.059 U	
Silver					7440-22-4	5	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	0.0066 U	
[TCLP Herbicide] - [TCLP] - [mg/l]																			
2,4,5-TP (Silvex)					93-72-1	1	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	0.0054 U	
2,4-D					94-75-7	10	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	
[TCLP Pesticide] - [TCLP] - [mg/l]																			
Chlordane					57-74-9		0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	0.00097 U	
Chlordane(alpha and gamma forms summed)					57-74-9		0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	
Endosulfan I and Endosulfan II (summed)					115-29-7		0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	
Erdrin					72-20-8	0.02	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	0.00043 U	
gamma-BHC (Lindane)					58-89-9	0.4	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	
Heptachlor					76-44-8	0.008	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	0.00073 U	
Heptachlor epoxide					1024-57-3	0.008	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	
Methoxychlor					72-43-5	10	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	0.00066 U	
Toxaphene					8001-35-2	0.5	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	
[TCLP BNA] - [TCLP] - [mg/l]																			
1,4-Dichlorobenzene					106-46-7	7.5	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	
2,4,5-Trichlorophenol					95-95-4	400	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	
2,4,6-Trichlorophenol					88-06-2	2	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	
2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)					25321-14-6		0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	0.046 U	
2-Methylphenol					95-48-7	200	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	
3,4-Methylenediols					60734-96-9		0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	
Hexachlorobenzene					118-74-1	0.13	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	
Hexachlorobutadiene					87-68-3	0.5	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	
Hexachloroethane					67-72-1	3	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	
Nitrobenzene					98-95-3	2	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	
Pentachlorophenol					87-86-5	100	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	0.026 U	
Pyridine					110-86-1	5	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	
[TCLP VOA] - [TCLP] - [mg/l]																			
1,1-Dichloroethene					75-35-4	0.7	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	0.00021 U	
1,2-Dichloroethane					107-06-2	0.5	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	
1,3-Dichloropropene (total)					542-75-6		0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	0.00032 U	
2-Butanone					78-93-3	200	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	
Benzene					71-43-2	0.5	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	
Carbon Tetrachloride					56-23-5	0.5	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	
Chlorobenzene					108-90-7	100	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	
Chloroform					67-66-3	6	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	0.00014 U	
Tetrachloroethene					127-18-4	0.7	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	
Total Xylenes					1330-20-7		0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	0.00046 U	
Trichloroethene					79-01-6		0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	0.00026 U	
Vinyl Chloride					75-01-4	0.2	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.00025 U	

Qualifiers

U - The compound was not detected at the indicated concentration.

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

\* (Inorganics) - The sample/duplicate %RPO was above the control limit.

E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Q - Indicates LCS control criteria did not meet requirements.

NR - Not analyzed

**366-394 Wilson Ave**  
**Analytical Results - Stockpile C**

Sample ID		MOW-SRS	NRD-SRS	NRU-SRS	RDR-SRS	RR-SRS	TCLP 15a		SPC-WC-23-04-17	SPC-1WC-23-04-17	SPC-WC-23-04-17	SPC-WC-23-04-17	SPC-WC-23-04-17	SPC-WC-23-04-17	SPC-WC-23-04-17	SPC-WC-23-04-17
Sampling Date	CAS #	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	
Matrix									SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
[Cyanide] - [SOIL] - [mg/kg]																
Cyanide	57-12-6	20	780			47			1190	D		63.7	D		125	D
[Hexavalent Chromium] - [SOIL] - [mg/kg]																
Hexavalent Chromium												0.19	U		0.2	U
[Paint Filter] - [SOIL] - [mg/100g]																
Paint Filter									1	U		1	U		1	U
[Arsenic] - [SOIL] - [mg/kg]																
Aluminum	7429-90-5					78000			8300			4810			7380	
Antimony	7440-36-2	5.4	520	31					3.74			1.1	J		7.32	
Arsenic	7440-38-2	19							532			126			528	
Beryllium	7440-39-3	2100	26400			10000	87000	2000	11			81			265	
Beryllium	7440-11-7	0.7	2600	9300	160	2000			0.88			0.4			0.46	
Cadmium	7440-43-9	1.9	1100	12000	71	2600	20		13.8			5.93			23.8	
Calcium	7440-70-2								6300			12400			15000	
Chromium	7440-47-3								128			471			216	D
Cobalt	7440-48-4	90	390	2500	23	520	100		43.8			26.5			44.3	
Copper	7440-50-8	910	52000		3100				2610			2840			2840	
Iron	7439-89-6								23400			12300			28700	
Lead	7439-92-1	90	800		400		100		1220			319			1390	
Magnesium	7439-95-4								6370			3070			2310	
Manganese	7439-96-5		31000	400000	1900	87000			478			304			288	
Mercury	7439-97-6	0.1	390	23	520000	4			471	D		131	D		254	D
Nickel	7440-2-0	48	26000	93000	1600	20000			1620			156			1790	
Nickel	90774-40								798			89			62	
Selenium	7782-49-2	11	6500	390	30	20			0.83	J		0.39	U		31.1	
Silver	7440-22-4	0.5	6500	390	30	100			25.1			8.96			20.2	
Sodium	7440-23-6								390			511			511	
Thallium	7440-28-0								0.8	U		0.52	U		0.82	U
Vanadium	7440-63-2		6500	800000	390	170000			51.3			21.7			44.3	
Zinc	7440-66-6	930	390000	23000					1080			360			751	
[EPH.F2] - [SOIL] - [mg/kg]																
Aliphatic C8-C28			76000		5300				166			1570			102	
Total EPH									166			1570			102	
[Hexachloro] - [SOIL] - [mg/kg]																
2,4,5-T	93-76-5								0.016	U		0.017	U		0.016	U
2,4,5-TP (Silvex)	93-72-1								0.023	U		0.023	U		0.024	U
2,4-D	94-75-7						200		0.027	U		0.028	U		0.028	U
2,4-DB	94-82-6								0.02	U		0.017	U		0.027	U
DICAMBA	198-10-9								0.014	U		0.012	U		0.015	U
DICHLOROPROP	120-36-6								0.016	U		0.014	U		0.017	U
DNOSEB	88-85-7								0.026	U		0.022	U		0.027	U
[PCB] - [SOIL] - [mg/kg]																
Aroclor-1016	12674-11-2	1.6	1.1	0.25					0.058	U		0.049	U		0.052	U
Aroclor-1221	11104-28-2	1.6	1.1	0.25					0.094	U		0.08	U		0.02	U
Aroclor-1232	11141-16-5	1.6	1.1	0.25					0.073	U		0.062	U		0.016	U
Aroclor-1242	11049-21-9	1.6	1.1	0.25					3.8	P					3.8	P
Aroclor-1248	12672-29-6	1.6	1.1	0.25					0.646	U		0.038	U		0.0066	U
Aroclor-1254	11097-69-1	1.6	1.1	0.25					3.2	P		1.3	P		1	P
Aroclor-1260	11098-82-5	1.6	1.1	0.25					0.054	U		0.046	U		0.011	U
Aroclor-1262	37324-23-6	1.6	1.1	0.25					0.044	U		0.037	U		0.008	U
Aroclor-1268	11100-14-4	1.6	1.1	0.25					0.063	U		0.045	U		0.011	U
[Polychloro] - [SOIL] - [mg/kg]																
4,4-DDO	72-54-8	0.47	11	2.3					0.00034	U		0.00029	U		0.007	P
4,4-DDO	72-55-9	0.47	11	2.3					0.00029	U		0.00025	U		0.0008	U
4,4-DDT	60-29-3	0.67	9.5	1.9					0.00024	U		0.00029	U		0.00029	U
Aldrin	300-50-2	0.13	0.21	0.041					0.00032	U		0.00034	U		0.00034	U
alpha-BHC	319-84-6	0.0023	0.41	0.086					0.00039	U		0.00033	U		0.00041	U
beta-BHC	319-85-7	0.0046	1.4	0.3					0.00083	U		0.00071	U		0.00088	U
gamma-BHC (alpha and gamma forms summed)	317-64-3	1.4	1.4	0.27				0.6	0.00024	U		0.00029	U		0.00071	U
delta-BHC	319-86-8								0.00096	U		0.00056	U		0.00059	U
Dieldrin	60-57-1	0.024	0.16	0.034					0.00029	U		0.00025	U		0.00033	U
Endosulfan I and Endosulfan S (summed)	115-29-7		7800	470					0.00056	U		0.00056	U		0.00068	U
Endosulfan Sulfate	1031-07-8								0.00029	U		0.00025	U		0.0003	U
Erdrin	72-20-4	1.6	270	19			0.4		0.00027	U		0.00023	U		0.00023	U
Erdrin aldehyde	7421-63-4								0.00047	U		0.00039	U		0.00049	U
Erdrin ketone	53494-70-5								0.00047	U		0.00039	U		0.00049	U
gamma-BHC (Lindane)	58-59-9	0.0035	2.8	0.57					0.00056	U		0.00033	U		0.00037	U
Heptachlor	79-44-5	0.083	0.81	0.15			8		0.00031	U		0.00031	U		0.00039	U
Heptachlor epoxide	1024-07-3	0.081	0.4	0.076					0.00056	U		0.00033	U		0.00049	U
Methoxychlor	72-43-5		4600	320	200				0.0004	U		0.00034	U		0.00042	U
Toxaphene	8001-35-2	6.2	2.3	0.49	10				0.011	U		0.009	U		0.011	U
[BHC-TCDF BNA-20] - [SOIL] - [mg/kg]																
1,1-Dibenzyl	92-63-4		450	87					0.29	U		0.12	U		0.31	U
1,2,4,5-Tetrachlorobenzene	95-94-3			23					0.29	U		0.12	U		0.3	U
1,4-Dioxane	123-91-1	0.067	36	210	7	45			0.36	U		0.16	U		0.4	U
2,3,4,6-Tetrachlorophenol	58-90-2	26	27000	1900					0.27	U		0.11	U		0.28	U
2,4,5-Trichlorophenol	95-95-4	68	81000	6300					0.28	U		0.1	U		0.3	U
2,4,6-Trichlorophenol	86-06-2	0.86	230	49		40			0.25	U		0.11	U		0.26	U
2,4-Dichlorophenol	120-83-2	0.19	2700	190					0.25	U		0.11	U		0.26	U
2,4-Dimethylphenol	105-67-9	2.3	18000	1300					0.32	U		0.16	U		0.34	U
2,4-Dichlorophenol	93-28-5	0.33	1600	130					0.26	U		0.15	U		0.47	U
2,4-Dichloroethanol-2,6-Dichlorotoluene (mixture)	25321-14-6	0.27	3.8	0.8					0.81	U		0.24	U		2.1	U
2-Chloronaphthalene	91-68-7		67000	4800					0.27	U		0.12	U		0.29	U
2-Chlorophenol	95-67-8	0.76	6500	390					0.23	U		0.088	U		0.24	U
2-Methylnaphthalene	91-67-4	3.1	3500	240					0.3	U		0.14	U		0.32	U
2-Methylphenol	92-48-7	0.77	4600	320		4000			0.27	U		0.16	U		0.30	U
2-Nitroaniline	88-74-4								0.32	U		0.14	U		0.34	U
2-Nitrophenol	88-75-6								0.31	U		0.13	U		0.32	U
3,3-Dichlorobenzidine	91-84-1	3.9	5.7	1.2					0.62	U		0.22	U		0.6	U
3,4-Methylenedianiline	60-794-9	0.75	9100	630		4000			0.26	U		0.15	U		0.32	U
3-Nitroaniline	95-09-2								0.3	U		0.13	U		0.32	U
4,6-Dinitro-2-methylphenol	534-52-1								0.28	U		0.12	U		0.3	U
4-Bromophenyl phenyl ether	101-55-3								0.31	U		0.13	U		0.33	U
4-Dinitro-3-methylphenol	59-50-7								0.27	U		0.11	U		0.28	U
4-Chloroaniline	106-47-8	0.23	13	2.7					0.34	U		0.14	U		0.36	U
4-Chlorophenyl phenyl ether	7005-72-3								0.29	U		0.12	U		0.31	U
4-Nitroaniline	100-01-6		300	27					0.33	U		0.14	U		0.35	U
4-Nitrophenol	100-02-7								0.37	U		0.16	U		0.39	U
Acetophenone	93-53-9		50000	3600					0.26	U		0.11	U		0.27	U
Acenaphthylene	208-98-6								0.28	U		0.12	U		0.3	U
Acetophenone	98-86-2	3.6	130000	7800					0.29	U		0.12	U		0.31	U
Anthracene	120-12-7		200000	18000					0.33	U		0.14	U		0.36	U
Azobenzene	101-21-9	0.33	3000	220					0.31	U		0.13	U		0.32	U
Benzaldehyde	100-52-7		910	170					0.48	U		0.16	U		0.5	U
Benzofuran	56-55-3	0.71	23	370000	5.1	78000			0.58			0.21	J		0.58	
Benzofuran	50-32-8		2.3	30000	0.51	78000			0.68	J		0.13	J		0.68	
Benzofuran	205-99-2		23	16000	5.1	78000			0.84	J		0.2	J		0.84	
Benzofuran	191-24-6								0.46	J						



**366-394 Wilson Ave**  
**Analytical Results - Stockpile C**

OC-TCLVQA-193 <sup>a</sup> : [SOL] - [mg/kg]									
1,1,1-Trichloroethane	71-65-6	0.2				180000			
1,1,2,2-Tetrachloroethane	79-34-5	0.0069	18			3.5			
1,1,2-Trichloroethane	79-00-5	0.017	64			12			
1,1,2-Trichlorotrifluoroethane	76-13-1								
1,1-Dichloroethane	75-34-3	0.24	640			120			
1,1-Dichloroethene	75-35-4	0.0069	180	240	11	52	14		
1,2,3-Trichlorobenzene	67-61-6								
1,2,4-Trichlorobenzene	120-82-1	0.52	13000			780	94		
1,2-Dibromo-3-Chloropropane	96-12-8	0.005	4.5	0.12	0.87	0.026			
1,2-Dibromobenzene	106-93-4	0.005	1.8	0.41	0.35	0.085			
1,2-Dichlorobenzene (total)	95-50-1	11							
1,2-Dichlorobenzene	107-06-2	0.0095	30	320	5.8	71	10		
1,2-Dichloropropane	78-87-5	0.0058	98	27	19	5.7			
1,2-Dichlorobenzene	54-71-1	11	11000			6700			
1,2-Dichlorobenzene (ortho)	54-75-6	0.0043	23	7		4.8			
1,4-Dichlorobenzene	106-46-7	1.4	13000			780			
2-Butanone	78-93-3	0.98	78000			47000			1500
2-Hexanone	581-78-6	0.15	6500			380	1000		
4-Methyl-2-Pentanone	105-10-1								
Acetone	67-64-1	19				70000			
Benzene	71-43-2	0.0094	16	11	3	2.2	10		
Bromochloromethane	74-97-6								
Bromodichloromethane	75-27-4	0.005	59			11			
Bromotrimethane	75-25-2	0.018	460			88			
Bromomethane	74-83-9	0.043	1800	82	110	18			
Carbon Disulfide	75-15-0	3.7							
Carbon Tetrachloride	56-23-5	0.0075	40	6.9	7.6	1.4	10		
Chlorobenzene	108-90-7	0.64	8400			510	1000		2000
Chloroethane	75-00-3								
Chloroform	67-66-3	0.33	13000			780	590	120	
Chloromethane	74-87-3			1200			270		
cis-1,2-Dichloroethene	156-59-2	0.35	13000			780			
Cyclohexane	110-82-7								
Dibromochloromethane	124-48-1	0.005	43			6.3			
Dibromodichloromethane	79-71-6	38	26000			16000			
Ethyl Benzene	100-41-1	15	13000	48	7800	10			
Isopropylbenzene	98-06-8	22	13000						
Methyl Acetate	79-20-9	22				7800			
Methyl n-butyl Ether	103-44-0	0.25	13000	650	780	140			
Methylglycidol	108-87-2								
Methylene Chloride	75-09-2	0.013	260	50		1400			
Nitrobenzene	105-42-5	2.1	20000			16000			
O-Toluenesulfonamide	127-18-4	0.0056	170			6300	47	14	
Toluene	108-88-3	78	12000			6300			
Total Xylenes	1330-20-7	19	19000			12000			
trans-1,2-Dichloroethene	156-60-6	0.56	22000			1300			
Trichloroethane	79-01-6	0.0065	79	14	15	3	10		
Trichloromethoxybenzene	75-69-4	29				23000			
Vinyl Chloride	75-01-4	0.0067	5	6.4	9.7	1.4			

U - The compound was not detected at the indicated concentration

N (Organics) = Presumptive Evidence of a Compound

N (Inorganica) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

The concentration given is an approximate value

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample

P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than

\* (Organics) - For dual column analysis, the lowest quantitated concentration

\* (Inorganics) = The sample/duplicate %RPD was above the control limit.

E (Organics) - Indicates the analyte's concentration exceeds the calibrated range of the I

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Q - indicates LCS control criteria did not meet requirements.

NR = Not analyzed

**YELLOW HIGHLIGHTS - ONE OR MORE EXCEEDANCES**

MGW-SRS: Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria

NRI-SRS: Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

NRID-SRS: Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

RI-SRS: Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria

RID-SRS: Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria

**366-394 Wilson Ave**  
**Analytical Results - Stockpile C**  
**TCLP**

Sample ID		TCLP Maximum Contaminant Concentrations (40 CFR 261.6(g))	SPC-1WC-23- 04-17	SPC-1WC-23- 04-17	SPC-2WC-23- 04-17	SPC-2WC-23- 04-17	SPC-3WC-23- 04-17	SPC-3WC-23- 04-17	SPC-3WC-23- 04-17RE
Sampling Date			4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023	4/17/2023
Matrix	CAS #	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
[Corrosivity] - [SOIL] - [pH]									
Corrosivity				7.52		7.89		7.01	
[Ignitability] - [SOIL] - [oC]									
Ignitability	IGNIT			No		No		No	
[Reactive Cyanide] - [SOIL] - [mg/Kg]									
Reactive Cyanide	RECY			0.011 U		0.011 U		0.011 U	
[Reactive Sulfide] - [SOIL] - [mg/Kg]									
Reactive Sulfide	RESU			6.35 J		4.74 J		4.78 J	
[TCLP-Metals] - [TCLP] - [mg/l]									
Arsenic	7440-38-2	5		0.33		0.13		0.11	
Barium	7440-39-3	100		0.43 J		0.73		0.28 J	
Cadmium	7440-43-9	1		0.086		0.14		0.041	
Chromium	7440-47-3	5		0.0095 J		0.008 U		0.018 J	
Lead	7439-92-1	5		0.42		0.4		0.34	
Mercury	7439-97-6	0.2		0.037		0.032		0.012	
Selenium	7782-49-2	1		0.059 U		0.059 U		0.059 U	
Silver	7440-22-4	5		0.0066 U		0.0066 U		0.0066 U	
[TCLP Herbicide] - [TCLP] - [mg/l]									
2,4,5-TP (Silvex)	93-72-1	1		0.0054 U		0.0054 U		0.0054 U	
2,4-D	94-75-7	10		0.0057 U		0.0057 U		0.0057 U	
[TCLP Pesticide] - [TCLP] - [mg/l]									
Chlordane	57-74-9			0.00097 U		0.00097 U		0.00097 U	
Chlordane(alpha and gamma forms summed)	57-74-9			0.00014 U		0.00014 U		0.00014 U	
Endosulfan I and Endosulfan II (summed)	115-29-7			0.00014 U		0.00014 U		0.00014 U	
Endrin	72-20-8	0.02		0.000043 U		0.000043 U		0.000043 U	
gamma-BHC (Lindane)	58-89-9	0.4		0.000064 U		0.000064 U		0.000064 U	
Heptachlor	76-44-8	0.008		0.000073 U		0.000073 U		0.000073 U	
Heptachlor epoxide	1024-57-3	0.008		0.0001 U		0.0001 U		0.0001 U	
Methoxychlor	72-43-5	10		0.000066 U		0.000066 U		0.000066 U	
Toxaphene	8001-35-2	0.5		0.0018 U		0.0018 U		0.0018 U	
[TCLP BNA] - [TCLP] - [mg/l]									
1,4-Dichlorobenzene	106-46-7	7.5		0.014 U		0.014 U		0.014 U	0.014 U
2,4,5-Trichlorophenol	95-95-4	400		0.016 U		0.016 U		0.016 U	0.016 U
2,4,6-Trichlorophenol	88-06-2	2		0.015 U		0.015 U		0.015 U	0.015 U
2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25321-14-6			0.046 U		0.046 U		0.046 U	0.046 U
2-Methylphenol	95-48-7	200		0.021 U		0.021 U		0.021 U	0.021 U
3+4-Methylphenols	65794-96-9			0.022 U		0.022 U		0.022 U	0.022 U
Hexachlorobenzene	118-74-1	0.13		0.019 U		0.019 U		0.019 U	0.019 U
Hexachlorobutadiene	87-68-3	0.5		0.019 U		0.019 U		0.019 U	0.019 U
Hexachloroethane	67-72-1	3		0.016 U		0.016 U		0.016 U	0.016 U
Nitrobenzene	98-95-3	2		0.017 U		0.017 U		0.017 U	0.017 U
Pentachlorophenol	87-86-5	100		0.026 U		0.026 U		0.026 U	0.026 U
Pyridine	110-86-1	5		0.018 U		0.018 U		0.018 U	0.018 U
[TCLP VOA] - [TCLP] - [mg/l]									
1,1-Dichloroethene	75-35-4	0.7		0.00021 U		0.00021 U		0.00021 U	
1,2-Dichloroethane	107-06-2	0.5		0.00016 U		0.00016 U		0.00016 U	
1,3-Dichloropropene (total)	542-75-6			0.00032 U		0.00032 U		0.00032 U	
2-Butanone	78-93-3	200		0.0012 U		0.0012 U		0.0012 U	
Benzene	71-43-2	0.5		0.00012 U		0.00012 U		0.00012 U	
Carbon Tetrachloride	56-23-5	0.5		0.00013 U		0.00013 U		0.00013 U	
Chlorobenzene	108-90-7	100		0.00012 U		0.00012 U		0.00012 U	
Chloroform	67-66-3	6		0.00014 U		0.00014 U		0.00014 U	
Tetrachloroethene	127-18-4	0.7		0.00017 U		0.00017 U		0.00017 U	
Total Xylenes	1330-20-7			0.00046 U		0.00046 U		0.00046 U	
Trichloroethene	79-01-6	0.5		0.00026 U		0.00026 U		0.00026 U	
Vinyl Chloride	75-01-4	0.2		0.00025 U		0.00025 U		0.00025 U	

**Qualifiers**

U - The compound was not detected at the indicated concentration.

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.  
The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\*(Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

\*(Inorganics) - The sample/duplicate %RPD was above the control limit.

E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Q - indicates LCS control criteria did not meet requirements.

NR - Not analyzed

### Analytical Results - Stockpile D E

Sample ID	Sampling Date	MOW-SRS		NRD-SRS		NRH-SRS		RD-SRS		Ri-SRS		TCLP 20h Rule	SPD-WWC-23-04-18 4/18/2023		SPD-WWC-23-04-18 4/18/2023		SPD-WWC-23-04-18 4/18/2023		SPD-WWC-23-04-18 4/18/2023		SPE-WWC-23-04-18 4/18/2023		SPE-WWC-23-04-18 4/18/2023		SPE-WWC-23-04-18 4/18/2023		SPE-WWC-23-04-18 4/18/2023												
		CAS #	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL									
[Cyanide] - [SOIL] - [mg/kg]																																							
Cyanide																57-12-6		20		780		47				66 D		26.5		28.4 D		755 D							
[Hexavalent Chromium] - [SOIL] - [mg/kg]																																							
Hexavalent Chromium																Hexavalent Chromium								0.14 U		0.14 U		0.22 U		0.34 U		0.34 U							
[Paint Filter] - [SOIL] - [ml/100g]																																							
Paint Filter																								1 U		1 U		1 U		1 U		1 U		1 U		1 U			
[Metals] - [SOIL] - [mg/kg]																																							
Antimony																7429-90-5						78000				7750		7910		11500				13600					
Arsenic																7440-36-0		5.4		520		31		0.4 J		0.4 J		0.49 J				0.71 J		8.51					
Barium																7440-39-3		2100		200000		16000		870000		2000		5.02		4.02		94.9		93.2					
Beryllium																7440-41-7		0.7		3600		9300		160		2000		5.40		20.00		0.43		6.38		93.2		93.2	
Cadmium																7440-43-9		1.9		1100		12000		71		2600		0.028 J		0.014 U		0.02 U		0.021 U		0.021 U		0.021 U	
Calcium																7440-70-2										40400		37400		52100		80300							
Chromium																7440-47-3										19.3		28.6		48.4		42.2							
Cobalt																7440-48-4		90		390		2500		23		520		100		7.16		8.79		15.8		12.4		12.4	
Copper																7440-50-8		910		52000		3100						61.7		55.5		48.5		48.5					
Iron																7439-89-6										14700		15800		20800		23500							
Lead																7439-92-1		90		800		400		100		46		55.9		216		89.5							
Magnesium																7439-94-5										5960		5510		6700		10200							
Manganese																7439-96-5		31000		400000		1900		87000		291		266		449		498		498					
Mercury																7439-97-6		0.1		390		23		52000		4.0		1.1 D		36.4 D		27.1 D		27.1 D		27.1 D		27.1 D	
Nickel																7440-02-0		48		26000		93000		1600		20000		18.9		34.2		28.9		251		251		251	
Potassium																9717-44-0										849		648		120.9		120.9							
Selenium																7782-49-2		11		6500		390		20		0.37 U		0.37 U		0.51 U		0.54 U		0.54 U		0.54 U			
Silver																7440-22-4		0.5		6500		390		100		0.21 J		0.1 J		0.22 J		0.42 J		0.42 J		0.42 J			
Sodium																7440-23-5										440		185		404		354		354		354			
Thallium																7440-28-0										0.41 U		0.41 U		0.68 U		0.7 U		0.7 U		0.7 U			
Vanadium																7440-02-2		88		6500		800000		390		170000		29		24.1		40.5		50		50			
Zinc																7440-66-6		930		390000		23000				85.4		94.7		177		196		196		196			
[EPH, FZ] - [SOIL] - [mg/kg]																																							
Aliphatic C9-C28																Aliphatic C9-C28		75000		5300				20.1		19.9		914		914		323		323		323			
Total EPH																Total EPH								20.1		19.9		914		914		323		323		323		323	
[Pesticides] - [SOIL] - [mg/kg]																																							
2,4,5-T																93-76-5								0.011 U		0.011 U		0.018 U		0.02 U		0.02 U		0.02 U		0.02 U			
2,4,5-TP (Silvex)																93-72-1						20		0.017 U		0.017 U		0.026 U		0.029 U		0.029 U		0.029 U		0.029 U			
2,4-D																94-75-7						200		0.019 U		0.019 U		0.03 U		0.03 U		0.03 U		0.03 U		0.03 U			
2,4-DE																94-82-6		1.6		1.1		0.25		0.015 U		0.014 U		0.023 U		0.025 U		0.025 U		0.025 U		0.025 U			
DICAMBA																1918-09-09								0.01 U		0.01 U		0.018 U		0.016 U		0.016 U		0.016 U		0.016 U			
DICHLOROPROP																120-36-5								0.012 U		0.011 U		0.016 U		0.018 U		0.02 U		0.02 U		0.02 U			
DNOSBES																88-65-7								0.014 U		0.019 U		0.029 U		0.006 U		0.033 U		0.033 U					
[PCB's] - [SOIL] - [mg/kg]																																							
Aroclor-1216																12874-11-2		1.6		1.1		0.25		0.0091 U		0.0041 U		0.0069 U		0.0069 U		0.0072 U		0.0072 U		0.0072 U			
Aroclor-1221																11104-28-2		1.6		1.1		0.25		0.0088 U		0.0067 U		0.011 U		0.012 U		0.012 U		0.012 U					
Aroclor-1232																11141-18-5		1.6		1.1		0.25		0.0052 U		0.0052 U		0.0082 U		0.0082 U		0.0082 U		0.0082 U					
Aroclor-1242																53489-21-9		1.6		1.1		0.25		0.0098 U		0.0098 U		0.0057 U		0.0057 U		0.0057 U		0.0057 U					
Aroclor-1248																10827-28-6		1.6		1.1		0.25		0.0033 U		0.0033 U		1.6 U		0.0057 U		0.0057 U		0.0057 U					
Aroclor-1254																11097-69-1		1.6		1.1		0.25		0.089		0.089		1.9 DP		0.0071 U		0.0071 U		0.0071 U					
Aroclor-1269																11096-82-6		1.6		1.1		0.25		0.0039 U		0.0038 U		0.0061 U		0.0061 U		0.0061 U		0.0061 U					
Aroclor-1282																37324-23-6		1.6		1.1		0.25		0.0032 U		0.0031 U		0.0049 U		0.0049 U		0.0049 U		0.0049 U					
Aroclor-1288																11100-14-4		1.6		1.1		0.25		0.0038 U		0.0038 U		0.0038 U		0.0038 U		0.0038 U		0.0038 U					
[Pesticides-TCL] - [SOIL] - [mg/kg]																																							
4,4-DDD																72-64-6		0.47		11		2.3		0.00024 U		0.00024 U		0.00038 U		0.0012 P		0.0012 P		0.0012 P					
4,4-DDD																72-65-6		0.47		11		2		0.0034 P		0.0043 P		0.00033 U		0.00033 U		0.00033 U		0.00033 U					
4-CGT																50-59-3		0.67		5.5		1.9		0.00024 U		0.00024 U		0.00028 U		0.0015		0.0015		0.0015					
Atrazin																300-10-2		0.13		0.21		0.01		0.00023 U		0.00023 U		0.00034 U		0.00034 U		0.00034 U		0.00034 U					
alpha-BHC																319-84-6		0.0023		0.41		0.086		0.00028 U		0.00027 U		0.00044 U		0.00044 U		0.00044 U		0.00044 U					
beta-BHC																319-85-7		0.0046		1.4		0.3		0.0006 U		0.0006 U		0.00094 U		0.00094 U		0.00094 U		0.00094 U					
Chlordane(alpha and gamma forms summed)																57-74-9		1.4		1.4		0.27		0.0087		0.0085		0.00076 U		0.00076 U		0.00076 U		0.00076 U					
delta-BHC																319-86-8								0.00046 U		0.00046 U		0.00074 U		0.00074 U		0.00074 U							
Dieldrin																60-67-1		0.024		0.16		0.034		0.00021 U		0.00021 U		0.00033 U		0.00033 U		0.00033 U		0.00033 U					
Endosulfan (alpha and Endosulfan S (summed))																115-29-7		7800		470		0.00048 U		0.00048 U		0.00047 U		0.00047 U		0.00047 U		0.00047 U		0.00047 U					
Endosulfan Sulfate																1031-07-8								0.00021 U		0.00021 U		0.00033 U		0.00033 U		0.00033 U		0.00033 U					
Etrdin																72-20-4		1.6		270		19		0.4		0.00021 U		0.00021 U		0.00031 U		0.00031 U		0.00031 U					
Etrdin aldehyde																7421-93-4								0.00034 U		0.00034 U		0.00033 U		0.00033 U		0.00033 U		0.00033 U					
Etrdin ketone																53494-70-5								0.00034 U		0.00034 U		0.00033 U		0.00033 U		0.00033 U		0.00033 U					
gamma-BHC (Lindane)																58-83-9		0.0035		2.8		0.57		8		0.00028 U		0.00025 U		0.00044 U		0.00044 U		0.00044 U					
Heptachlor epoxide																70-44-8		0.083		0.81		0.15		0.2		0.00052 U		0.00052 U		0.00042 U		0.00042 U		0.00042 U					
Heptachlor epoxide																1024-57-3		0.081		0.4		0.076		0.00053 U		0.00053 U		0.00053 U		0.00053 U		0.00053 U		0.00053 U					
Methoxychlor																72-43-5		4600		320		200		0.00029 U		0.00029 U		0.00045 U		0.00045 U		0.00045 U		0.00045 U					
Toxaphene																8001-35-2		6.2		2.3		0.49		10		0.0077 U		0.0076 U		0.012 U		0.012 U		0.012 U		0.012 U			
[SVOC-TCL BNA-25] - [SOIL] - [mg/kg]																																							
1,4-Biphenyl																92-63-4		450		87				0.11 U		0.21 U		0.33 U		0.33 U		0.18 U		0.18 U		0.18 U			
1,2,4,5-Tetrachlorobenzene																95-94-3		390		23				0.1 U		0.2 U		0.32 U		0.32 U		0.18 U		0.18 U		0.18 U			
1,4-Dioxane																123-91-1		0.067		36		210		7		45		0.14 U		0.27 U		0.43 U		0.43 U		0.34 U		0.34 U	
2,3,4,4-Tetrachlorophenol																58-90-2		26		27000		1900				0.098 U		0.19 U		0.3 U		0.3 U		0.17 U		0.17 U			
2,4,5-Trichlorophenol																95-95-4		68		91000		4000		8000		0.016 U		0.032 U		0.32 U		0.32 U		0.32 U		0.32 U			
2,4,6-Trichlorophenol																88-06-2		0.86		230		49		40		0.089 U		0.18 U		0.28 U		0.28 U		0.18 U		0.18 U			
2,6-Dichlorophenol																120-83-2		0.19		2700		190				0.089 U		0.18 U		0.28 U		0.28 U		0.18 U		0.18 U			
2-Chloromethylphenol																105-67-9		2.3		18000		1300				0.12 U		0.23 U		0.36 U		0.36 U		0.2 U		0.2 U			
2,4-Dichlorophenol																91-58-5		0.33		1800		100				0.21 U		0.36 U		0									





366-394 Wilson Ave  
Analytical Results - Stockpile D and E  
TCLP

TCLP Maximum Contaminant Concentrations (40 CFR 261.696)			SPD-1WC-23-04-18	SPD-1WC-23-04-18	SPD-2WC-23-04-18	SPD-2WC-23-04-18	SPD-2WC-23-04-18RE	SPE-1WC-23-04-18	SPE-1WC-23-04-18	SPE-1WC-23-04-18RE	SPE-2WC-23-04-18	SPE-2WC-23-04-18	SPE-2WC-23-04-18RE	EB-1
Sample ID														
Sampling Date														
Matrix	CAS #	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
[Corrosivity] - [SOIL] - [pH]														
Corrosivity				10.4			10.8			8.15			7.87	
[Ignitability] - [SOIL] - [oC]														
Ignitability	IGNIT			No			No			No			No	
[Reactive Cyanide] - [SOIL] - [mg/Kg]														
Reactive Cyanide	RECY			0.011 U			0.011 U			0.011 U			0.011 J	
[Reactive Sulfide] - [SOIL] - [mg/Kg]														
Reactive Sulfide	RESU			3.16 J			4.78 J			7.95 J			6.35 J	
[TCLP-Metals] - [TCLP] - [mg/l]														
Arsenic	7440-39-2	5		0.035 U			0.035 U			0.046 J			0.098 J	0.035 U
Barium	7440-39-3	100		0.43 J			0.35 J			0.83			0.62	0.04 J
Cadmium	7440-43-9	1		0.0014 J			0.001 U			0.046			0.026 J	0.001 U
Chromium	7440-47-3	5		0.043 J			0.091			0.008 U			0.022 J	0.008 U
Lead	7439-92-1	0.2		0.035 U			0.035 U			0.97			1.41	0.035 U
Mercury	7439-97-6	0.2		0.00078 U			0.00078 U			0.0036			0.042	0.00078 U
Selenium	7782-49-2	1		0.059 U			0.059 U			0.059 U			0.059 U	0.059 U
Silver	7440-22-4	5		0.0066 U			0.0066 U			0.0066 U			0.0066 U	0.0066 U
[TCLP Herbicide] - [TCLP] - [mg/l]														
2,4,5-TP (Silvex)	93-72-1	1		0.0054 U			0.0054 U	0.0054 U		0.0054 U	0.0054 U		0.0054 U	0.0054 U
2,4-D	94-75-7	10		0.0057 U			0.0057 U	0.0057 U		0.0057 U	0.0057 U		0.0057 U	0.0057 U
[TCLP Pesticide] - [TCLP] - [mg/l]														
Chlordane	57-74-9			0.00097 U			0.00097 U			0.00097 U			0.00097 U	0.00097 U
Chlordane(alpha and gamma forms summed)	57-74-9			0.00014 U			0.00014 U			0.00014 U			0.00014 U	0.00014 U
Endosulfan I and Endosulfan II (summed)	115-29-7			0.00014 U			0.00014 U			0.00014 U			0.00014 U	0.00014 U
Endrin	72-20-8	0.02		0.000043 U			0.000043 U			0.000043 U			0.000043 U	0.000043 U
gamma-BHC (Lindane)	58-89-9	0.4		0.000064 U			0.000064 U			0.000064 U			0.000064 U	0.000064 U
Heptachlor	76-44-8	0.008		0.000073 U			0.000073 U			0.000073 U			0.000073 U	0.000073 U
Heptachlor epoxide	1024-57-3	0.008		0.0001 U			0.0001 U			0.0001 U			0.0001 U	0.0001 U
Methoxychlor	72-43-6	10		0.000066 U			0.000066 U			0.000066 U			0.000066 U	0.000066 U
Toxaphene	8001-35-2	0.5		0.0018 U			0.0018 U			0.0018 U			0.0018 U	0.0018 U
[TCLP BNA] - [TCLP] - [mg/l]														
1,4-Dichlorobenzene	106-46-7	7.5		0.014 U			0.014 U			0.014 U			0.014 U	0.014 U
2,4,5-Trichlorophenol	95-95-4	400		0.016 U			0.016 U			0.016 U			0.016 U	0.016 U
2,4,6-Trichlorophenol	88-06-2	2		0.015 U			0.015 U			0.015 U			0.015 U	0.015 U
2-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25321-14-6			0.046 U			0.046 U			0.046 U			0.046 U	0.046 U
2-Methylphenol	95-48-7	200		0.021 U			0.021 U			0.021 U			0.021 U	0.021 U
3+4-Methylphenols	65794-96-9			0.022 U			0.022 U			0.022 U			0.022 U	0.022 U
Hexachlorobenzene	118-74-1	0.13		0.019 U			0.019 U			0.019 U			0.019 U	0.019 U
Hexachlorobutadiene	87-68-3	0.5		0.019 U			0.019 U			0.019 U			0.019 U	0.019 U
Hexachloroethane	67-72-1	3		0.016 U			0.016 U			0.016 U			0.016 U	0.016 U
Nitrobenzene	98-95-3	2		0.017 U			0.017 U			0.017 U			0.017 U	0.017 U
Pentachlorophenol	87-86-5	100		0.026 U			0.026 U			0.026 U			0.026 U	0.026 U
Pyridine	110-86-1	5		0.018 U			0.018 U			0.018 U			0.018 U	0.018 U
[TCLP VOA] - [TCLP] - [mg/l]														
1,1-Dichloroethene	75-35-4	0.7	0.00021 U		0.00021 U			0.00021 U			0.00021 U			0.00021 U
1,2-Dichloroethane	107-06-2	0.5	0.00016 U		0.00016 U			0.00016 U			0.00016 U			0.00016 U
1,3-Dichloropropene (total)	542-75-6		0.00032 U		0.00032 U			0.00032 U			0.00032 U			0.00032 U
2-Butanone	78-93-3	200	0.0012 U		0.0012 U			0.0012 U			0.0012 U			0.0012 U
Benzene	71-43-2	0.5	0.00012 U		0.00012 U			0.00012 U			0.00012 U			0.00012 U
Carbon Tetrachloride	56-23-5	0.5	0.00013 U		0.00013 U			0.00013 U			0.00013 U			0.00013 U
Chlorobenzene	108-90-7	100	0.00012 U		0.00012 U			0.00012 U			0.00012 U			0.00012 U
Chloroform	67-66-3	6	0.00014 U		0.00014 U			0.00014 U			0.00014 U			0.00014 U
Tetrachloroethene	127-18-4	0.7	0.00017 U		0.00017 U			0.00017 U			0.00017 U			0.00017 U
Total Xylenes	1330-20-7		0.00046 U		0.00046 U			0.00046 U			0.00046 U			0.00046 U
Trichloroethene	79-01-6	0.5	0.00026 U		0.00026 U			0.00026 U			0.00026 U			0.00026 U
Vinyl Chloride	75-01-4	0.2	0.00025 U		0.00025 U			0.00025 U			0.00025 U			0.00025 U
Qualifiers														
U - The compound was not detected at the indicated concentration.														
N (Organics) - Presumptive Evidence of a Compound														
N (Inorganics) - The matrix spike recovery was outside control limits														
J - Data indicates the presence of a compound that meets the Identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.														
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.														
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.														
(Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.														
(Inorganics) - The sample/duplicate %RPD was above the control limit.														
E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.														
E (Inorganics) - The reported value is estimated because of the presence of interference.														
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.														
Q - Indicates LCS control criteria did not meet requirements.														
NR - Not analyzed														

## Exhibit B – Background Sample Results



### Analytical Results - Background Sample Data

- Qualifiers
  - U The compound was not detected at the indicated concentration.
  - N (Organic) = Presumptive Evidence of a Compound
  - N (Inorganic) = The matrix shows no recovery was suitable controls
- 1. Data indicates the presence of the compound but the identification criteria. The result is less than the quantitation limit but greater than MDL.
- 2. The quantitation given is an approximation.
- 3. B The analysis was done in the laboratory blind as well as the sample. This indicates possible laboratory contamination of the environment sample.
- 4. P For data columns, the percent difference between the quantified concentration in the two columns is greater than 40%.
- 5. P For data columns, the percent difference between the quantified concentration in the two columns is greater than 40%.
- 6. (Organic) = The sample/analysis NAPPD above the control limit.
- 7. (Inorganic) = Indicates the analysis's concentration exceeds the calibration range of the instrument for that specific analyte.
- 8. The reported value is an approximation and the presence of significant.
- 9. The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- 10. Indicates LCL control criteria did not meet requirements.
- 11. Not evaluated

### Analytical Results - Background Sample Data

Q - indicates LC

## Exhibit C – Off-Site Rule Form

# U.S. EPA Region 2 Off-Site Rule Request Form

[Reset Form](#)

## Receiving Facility Information

Estimated Initial Shipping Date: **06/19/2023**  
 Estimated Shipping Completion Date: **07/24/2023**  
 Supporting Documentation Attached: ☐ Yes ☒ No

1.) Name of Facility Receiving CERCLA Waste  
**Clean Earth of North Jersey, Inc.**

2.) Address of Facility  
**115 Jacobus Avenue**

3.) City  
**Kearny**

4.) County  
**Hudson**

5.) State  
**New Jersey**

6.) Zip Code  
**07032**

7.) EPA Facility I.D. (Hazardous Waste or Municipal Waste I.D.)  
**NJD991291105**

[RCRA InfoWebpage](#)

Facility Type

Subtitle C ☒

Subtitle D ☒

Other ☐

State Permit No.

**HWP19001 (Hazardous Waste Facility Permit), PI#230216 and Permit# TRP210001 (Solid Waste Permit)**

8.) Any other pertinent I.D. numbers that may apply (License Numbers, etc.)

**NJ HW Transporter-H03002, NJ SW Transporter-11352, HM Certificate of Registration-063011 552033T**

9.) Facility Phone Number  
**+1 (973) 344-4004**

Contact Name  
**Joseph Barone**

10.) Facility Fax Number (if available)  
**+1 (973) 344-8652**

11.) Email Address  
**jbarone@cleaneearthinc.com**

## Generating Site Information

12.) Name of CERCLA Site  
**Oberwil Portion of Pierson's Creek Superfund Site OU1 - EPA I.D. NJN986663052**

13.) Address of CERCLA Site  
**366-394 Wilson Avenue (Block 5038, Lot 97) also listed as 7 Avenue L**

14.) City  
**Newark**

15.) County  
**Essex**

16.) State  
**New Jersey**

17.) Zip Code  
**07105**

18.) CERCLA Site I.D.  
**02MV**

19.) CERCLA Waste Median (e.g. Soil, Water, Air etc.)  
**Soil**

Hazardous and/or Non-Hazardous (check all that apply)

RCRA Hazardous ☒

Non-Hazardous ☒

20.) CERCLA Waste Contaminates (e.g. tce, pcb, Mercury, Lead, etc.)

**Mercury, Lead, PCBs**

21.) Amount of CERCLA Waste (e.g. Gallons, Pounds, Tons, etc.)

**150 Tons**

22.) Person Making Request(s)/Affiliation & Phone Number

**John Lynch, Salomone Bros., Inc. (973) 305-0022**

**Submit via Desktop email**

(Lotus Notes Users Select Submit via Desktop email Application)