

## **Appendix B**

**ANANALYTICAL DATA TABLES**

**Table B-1. Analytical Data Table for TPH**

NW Alleged Disposal Area	Sample ID	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206	
	Depth (ft)	6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs	Refusal
Analyte Names		X	X	X	X	X	X	X	X	X	X	X	
TPH-Gas and TPH-Diesel - EPA Test Method 8015B (All units are in mg/kg)													
Gasoline		0.07	UJ	0.05	UJ	0.03	UJ	0.02	UJ	0.1	UJ	0.2	UJ
Diesel Fuel		4	J	4	J	6	J	120	U	13	J	6	J
NW Alleged Disposal Area	Sample ID	HAAFADA 207		HAAFADA 208		HAAFADA 209		HAAFADA 210		HAAFADA 211		HAAFADA 212	
	Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft DUP	6 ft bgs	14 ft bgs	6 ft bgs
Analyte Names		X	X	X	X	X	X	X	X	X	X	X	
TPH-Gas and TPH-Diesel - EPA Test Method 8015B (All units are in mg/kg)													
Gasoline		0.04	UJ	0.02	UJ	0.1	UJ	0.05	UJ	0.05	UJ	0.04	UJ
Diesel Fuel		4	J	120	U	7	J	2	J	3	J	2	J

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDQAR for details)..

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

**Table B-2. Analytical Data Table for Gross Alpha & Beta Particles**

NW Alleged Disposal Area	Sample ID	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206		
		Depth (ft)	6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs	Refusal
Analyte Names														
Gross Alpha / Beta Particles - EPA Test Method 900M (All units are in pCi/g)														
Gross Alpha		5.6	7.2	9.2	6.5	8.5	7.9	4.8	3.8	J	7.1	8.2	5.8	
Gross Beta		13	18	15	12	17	14	15	7.9	J	11	16	15	
NW Alleged Disposal Area	Sample ID	HAAFADA 207		HAAFADA 208		HAAFADA 209		HAAFADA 210		HAAFADA 211		HAAFADA 212		
		Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft Dup	6 ft bgs	14 ft bgs	6 ft bgs
Analyte Names														
Gross Alpha / Beta Particles - EPA Test Method 900M (All units are in pCi/g)														
Gross Alpha		8.3	9.3	4.3	6.6	9.5	6.5	9.4	12	6.6	6.8	7.1	7.1	5.6
Gross Beta		16.4	25.6	11.4	10.2	15.3	11.1	14.7	13.8	14.2	10.7	10.7	13.3	9.6

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDQAR for details).

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

**TABLE B-2. ANALYTICAL DATA TABLE FOR GROSS ALPHA AND GROSS BETA PARTICLES.**

Table B-3. Analytical Data Table for VOCs.

NW Alleged Disposal Area	Sample ID	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206	
		Depth (ft)	6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs
VOC's - EPA Test Method 8260B (All units are in ug/kg)													
1,1,1-TRICHLOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,1,2,2-TETRACHLOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,1,2-TRICHLOROETHANE	33	U	29	U	16	U	10	U	16	U	23	U	21
1,1,2-TRICHLOROTRIFLUOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,1-DICHLOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,1-DICHLOROETHENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,2-DICHLOROBENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,2-DICHLOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,2-DICHLOROPROPANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,3-DICHLOROBENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
1,4-DICHLOROBENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
2-BUTANONE (MEK)	13	J	290	U	160	U	100	U	160	U	15	J	16
2-HEXANONE	33	U	29	U	16	U	10	U	16	U	23	U	21
4-METHYL-2-PENTANONE (MIBK)	170	U	150	U	78	U	52	U	81	U	110	U	110
ACETONE	72	J	44	J	78	U	11	J	81	U	87	U	86
BENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
BROMODICHLOROMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
BROMOFORM	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
BROMOMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CARBON DISULFIDE	17	U	6	J	7.8	U	2	J	8.1	U	7	J	10
CARBON TETRACHLORIDE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CHLOROBENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CHLOROETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CHLOROFORM	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CHLORMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CIS-1,2-DICHLOROETHENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
CIS-1,3-DICHLOROPROPENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
DIBROMOCHLOROMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
DICHLORODIFLUOROMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
ETHYLBENZENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
METHYLENE CHLORIDE	9	UJ	9	UJ	5	UJ	3	UJ	5	UJ	7	UJ	6
STYRENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TETRACHLOROETHENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TOLUENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TRANS-1,2-DICHLOROETHENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TRANS-1,3-DICHLOROPROPENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TRICHLOROETHENE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
TRICHLOROFLUOROMETHANE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
VINYL ACETATE	33	U	29	U	16	U	10	U	16	U	23	U	21
VINYL CHLORIDE	17	U	15	U	7.8	U	5.2	U	8.1	U	11	U	11
XYLENES (TOTAL)	50	U	44	U	23	U	16	U	24	U	34	U	32

INTENTIONALLY LEFT BLANK

Direct Push Refusal @ 8 Feet - No Sample Collected

NW Alleged Disposal Area	Sample ID	HAAFADA 207		HAAFADA 208		HAAFADA 209		HAAFADA 210		HAAFADA 211		HAAFADA 212	
		Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft Dup	6 ft bgs	14 ft bgs
VOC's - EPA Test Method 8260B (All units are in ug/kg)													
1,1,1-TRICHLOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,1,2,2-TETRACHLOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,1,2-TRICHLOROETHANE	29	U	11	U	32	U	11	U	22	U	23	U	17
1,1,2-TRICHLOROTRIFLUOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,1-DICHLOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,1-DICHLOROETHENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,2-DICHLOROBENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,2-DICHLOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,2-DICHLOROPROPANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,3-DICHLOROBENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
1,4-DICHLOROBENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
2-BUTANONE (MEK)	290	U	110	U	320	U	110	U	220	U	230	U	170
2-HEXANONE	29	U	11	U	32	U	11	U	22	U	23	U	17
4-METHYL-2-PENTANONE (MIBK)	140	U	55	U	160	U	54	U	110	U	120	U	87
ACETONE	140	U	16	J	50	UJ	12	UJ	110	U	27	J	87
BENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
BROMODICHLOROMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
BROMOFORM	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
BROMOMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CARBON DISULFIDE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CARBON TETRACHLORIDE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CHLOROBENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CHLOROETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CHLOROFORM	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CHLORMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CIS-1,2-DICHLOROETHENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
CIS-1,3-DICHLOROPROPENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
DIBROMOCHLOROMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
DICHLORODIFLUOROMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
ETHYLBENZENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
METHYLENE CHLORIDE	9	UJ	4	UJ	9	UJ	3	UJ	7	UJ	8	UJ	5
STYRENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TETRACHLOROETHENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TOLUENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TRANS-1,2-DICHLOROETHENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TRANS-1,3-DICHLOROPROPENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TRICHLOROETHENE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
TRICHLOROFLUOROMETHANE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
VINYL ACETATE	29	U	11	U	32	U	11	U	22	U	23	U	17
VINYL CHLORIDE	14	U	5.5	U	16	U	5.4	U	11	U	12	U	8.7
XYLENES (TOTAL)	43	U	16	U	48	U	16	U	33	U	35	U	26

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDOAR for details).

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

TABLE B-3. ANALYTICAL DATA TABLE FOR VOCs.

Table B-4. Analytical Data Table for SVOCs.

NW Alleged Disposal Area	Sample ID Depth (ft)	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206	
		6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs	Refusal
SVOC's - EPA Test Method 8270C (All units are in ug/kg)													
1,2,4-TRICHLOROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
1,2-DICHLOROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
1,3-DICHLOROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
1,4-DICHLOROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
2,4,5-TRICHLOROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2,4,6-TRICHLOROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2,4-DICHLOROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2,4-DIMETHYLPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2,4-DINITROPHENOL	3300	U	3000	U	2700	U	2000	U	2200	U	3200	U	3100
2,4-DINITROTOLUENE	660	U	600	U	540	U	400	U	450	U	630	U	620
2,6-DICHLOROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2,6-DINITROTOLUENE	660	U	600	U	540	U	400	U	450	U	630	U	620
2-CHLORONAPHTHALENE	660	U	600	U	540	U	400	U	450	U	630	U	620
2-CHLOROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2-METHYL-4,6-DINITROPHENOL	3300	U	3000	U	2700	U	2000	U	2200	U	3200	U	3100
2-METHYLNAPHTHALENE	660	U	600	U	540	U	400	U	450	U	630	U	620
2-METHYLPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
2-NITROANILINE	6600	U	6000	U	5400	U	4000	U	4500	U	6300	U	6200
2-NITROPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
3,3'-DICHLOROBENZIDINE	260	U	240	U	210	U	160	U	89	U	130	U	120
3-NITROANILINE	3300	U	3000	U	2700	U	2000	U	2200	U	3200	U	3100
4-BROMOPHENYL-PHENYLETHER	660	U	600	U	540	U	400	U	450	U	630	U	620
4-CHLORO-3-METHYLPHENOL	660	U	600	U	540	U	400	U	450	U	630	U	620
4-CHLOROANILINE	200	U	180	U	160	U	120	U	150	U	210	U	210
5-CHLOROPHENYL-PHENYL ETHER	660	U	600	U	540	U	400	U	450	U	630	U	620
2-METHYLPHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
4-NITROANILINE	3300	U	3000	U	2700	U	2000	U	2200	U	3200	U	3100
4-NITROPHENOL	3300	U	3000	U	2700	U	2000	U	2200	U	3200	U	3100
ACENAPHTHENE	660	U	600	U	540	U	400	U	450	U	630	U	620
ACENAPHTHYLENE	660	U	600	U	540	U	400	U	450	U	630	U	620
ANTHRACENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZO(A)ANTHRACENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZO(A)PYRENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZO(B)FLUORANTHENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZO(G,H)PERYLENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZO(K)FLUORANTHENE	660	U	600	U	540	U	400	U	450	U	630	U	620
BENZYL ALCOHOL	56	U	51	U	45	U	34	U	43	U	61	U	60
BIS(2-CHLOROETHoxy)METHANE	660	U	600	U	540	U	400	U	450	U	630	U	620
BIS(2-CHLOROETHYL)ETHER	660	U	600	U	540	U	400	U	450	U	630	U	620
BIS(2-CHLOROISOPROPYL)ETHER	660	U	600	U	540	U	400	U	450	U	630	U	620
BIS(2-ETHYLHEXYL)PHTHALATE	660	U	600	U	540	U	400	U	450	U	630	U	620
BUTYLBENZYLPHthalate	660	U	600	U	540	U	400	U	450	U	630	U	620
CHRYSENE	660	U	600	U	540	U	400	U	450	U	630	U	620
DIBENZ(A,H)ANTHRACENE	660	U	600	U	540	U	400	U	450	U	630	U	620
DIBENZOFURAN	660	U	600	U	540	U	400	U	450	U	630	U	620
DIETHYL PHTHALATE	660	U	600	U	540	U	400	U	450	U	630	U	620
DMETHYLPHthalate	660	U	600	U	540	U	400	U	450	U	630	U	620
DI-N-BUTYL PHTHALATE	660	U	600	U	540	U	400	U	450	U	630	U	620
DI-N-OCTYL PHTHALATE	660	U	600	U	540	U	400	U	450	U	630	U	620
FLUORANTHENE	660	U	600	U	540	U	400	U	450	U	630	U	620
FLUORENE	660	U	600	U	540	U	400	U	450	U	630	U	620
HEXAChLOROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
HEXAChLOROBUTADIENE	660	U	600	U	540	U	400	U	450	U	630	U	620
HEXAChLOROCYCLOPENTADIENE	280	U	260	U	230	U	170	U	160	U	650	U	640
HEXAChLORoETHANE	660	U	600	U	540	U	400	U	450	U	630	U	620
INDENO(1,2,3-C,D)PYRENE	660	U	600	U	540	U	400	U	450	U	630	U	620
ISOPHORONE	660	U	600	U	540	U	400	U	450	U	630	U	620
NAPHTHAlene	660	U	600	U	540	U	400	U	450	U	630	U	620
NITROBENZENE	660	U	600	U	540	U	400	U	450	U	630	U	620
N-NITROSO-DI-N-PROPYLAMINE	660	U	600	U	540	U	400	U	450	U	630	U	620
N-NITROSODIPHENYLAMINE	320	U	300	U	260	U	190	U	150	U	210	U	210
PENTACHLOROPHENOL	3300	U	3000	UJ	2700	U	2000	U	2200	U	3200	U	3100
PHENANTHRENE	660	U	600	U	540	U	400	U	450	U	630	U	620
PHENOL	660	U	600	UJ	540	U	400	U	450	U	630	U	620
PYRENE	660	U	600	U	540	U	400	U	450	U	630	U	620

Intentionally Left Blank

DirectPush Refusal @ 8 Feet - No Sample Collected

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDQAR for details)..

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

**Table B-4. Analytical Data Table for SVOCs (Continued).**

NW Alleged Disposal Area	Sample ID	HAFFADA 207		HAFFADA 208		HAFFADA 209		HAFFADA 210		HAFFADA 211		HAFFADA 212															
		Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft DUP	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs												
SVOCs - EPA Test Method 8270C (All units are in ug/kg)																											
1,2,4-TRICHLOROBENZENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
1,2-DICHLOROBENZENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
1,3-DICHLOROBENZENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
1,4-DICHLOROBENZENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,4,5-TRICHLOROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,4,6-TRICHLOROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,4-DICHLOROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,4-DIMETHYLPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,4-DINITROPHENOL		3100	U	2000	U	3200	U	2000	U	2900	U	2800	U	2500	U	2100	U	3100	U	3000	U	1800	U	2900	U	1900	U
2,4-DINITROTOLUENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,6-DICHLOROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2,6-DINITROTOLUENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2-CHLORONAPHTHALENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2-CHLOROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2-METHYL-4,6-DINITROPHENOL		3100	U	2000	U	3200	U	2000	U	2900	U	2800	U	2500	U	2100	U	3100	U	3000	U	1800	U	2900	U	1900	U
2-METHYLNAPHTHALENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2-METHYLPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
2-NITROANILINE		6300	U	4000	U	6500	U	3900	U	5800	U	5700	U	4900	U	4200	U	6200	U	6000	U	3700	U	5700	U	3900	U
2-NITROPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
3,3-DICHLOROBENZIDINE		250	U	160	U	130	U	79	U	230	U	220	U	190	U	170	U	240	U	210	U	140	U	110	U	78	U
3-NITROANILINE		3100	U	2000	U	3200	U	2000	U	2900	U	2800	U	2500	U	2100	U	3100	U	3000	U	1800	U	2900	U	1900	U
3-BROMOPHENYL-PHENYLETHER		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
3-CHLORO-3-METHYLPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
3-CHLOROANILINE		190	U	120	U	220	U	130	U	180	U	170	U	150	U	130	U	190	U	180	U	110	U	190	U	130	U
3-CHLOROPHENYL PHENYL ETHER		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
4-METHYLPHENOL		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
4-NITROANILINE		3100	U	2000	U	3200	U	2000	U	2900	U	2800	U	2500	U	2100	U	3100	U	3000	U	1800	U	2900	U	1900	U
4-NITROPHENOL		3100	U	2000	U	3200	U	2000	U	2900	U	2800	U	2500	U	2100	U	3100	U	3000	U	1800	U	2900	U	1900	U
ACENAPTHENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
ACENAPHTHYLENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
ANTHRACENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZO(A)ANTHRACENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZO(A)PYRENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZO(B)FLUORANTHENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZO(G,H,I)PERYLENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZO(K)FLUORANTHENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BENZYL ALCOHOL		53	U	34	U	63	U	38	U	49	U	48	U	42	U	36	U	52	U	51	U	31	U	56	U	38	U
BIS(2-CHLOROETHOXY)METHANE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BIS(2-CHLOROETHYL)ETHER		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BIS(2-CHLOROISOPROPYL)ETHER		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BIS(2-ETHYLHEXYL)PHthalate		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
BUTYLBENZYLPHthalate		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
CHRYSENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DIBENZA(A)HANTHRACENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DIBENZOFURAN		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DIETHYL PHTHALATE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DIMETHYL PHTHALATE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DI-N-BUTYL PHTHALATE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
DI-N-OCTYL PHTHALATE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
FLUORANTHENE		630	U	400	U	650	U	390	U	580	U	570	U	490	U	420	U	620	U	600	U	370	U	570	U	390	U
FLUORENE		6																									

**Table B-5. Analytical Data Table for Pesticides.**

NW Alleged Disposal Area	Sample ID	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206		
		Depth (ft)	6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs	Refusal
Analyte Names	Pesticides - EPA Test Method 8081A (All units are in ug/kg)													
4,4'-DDD			10	J	60			6	U		9.6	U	9.3	U
4,4'-DDE			2	J	8	J		6	U		9.6	U	9.3	U
4,4'-DDT			45		339			6	U		9.6	U	9.3	U
ALDRIN			10	U	9.1	U		6	U		9.6	U	9.3	U
ALPHA-BHC			10	U	9.1	U		6	U		9.6	U	9.3	U
ALPHA-CHLORDANE			10	U	9.1	U		6	U		9.6	U	9.3	U
BETA-BHC			10	U	9.1	U		6	U		9.6	U	9.3	U
DELTA-BHC			10	U	9.1	U		6	U		9.6	U	9.3	U
DIELDRIN			10	U	9.1	U		6	U		9.6	U	9.3	U
ENDOSULFAN I			10	U	9.1	U		6	U		9.6	U	9.3	U
ENDOSULFAN II			10	U	9.1	U		6	U		9.6	U	9.3	U
ENDOSULFAN SULFATE			10	U	9.1	U		6	U		9.6	U	9.3	U
ENDRIN			10	U	9.1	U		6	U		9.6	U	9.3	U
ENDRIN ALDEHYDE			10	U	9.1	U		6	U		9.6	U	9.3	U
GAMMA-BHC			10	U	9.1	U		6	U		9.6	U	9.3	U
GAMMA-CHLORDANE			10	U	9.1	U		6	U		9.6	U	9.3	U
HEPTACHLOR			10	U	9.1	U		6	U		9.6	U	9.3	U
HEPTACHLOR EPOXIDE			10	U	9.1	U		6	U		9.6	U	9.3	U
METHOXYCHLOR			34	U	31	U		20	U		33	U	32	U
TOXAPHENE			200	U	180	U		120	U		190	U	190	U
											120	U		

NW Alleged Disposal Area	Sample ID	HAAFADA 207		HAAFADA 208		HAAFADA 209		HAAFADA 210		HAAFADA 211		HAAFADA 212		
		Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft DUP	6 ft bgs	14 ft bgs	6 ft bgs
Analyte Names	Pesticides - EPA Test Method 8081A (All units are in ug/kg)													
4,4'-DDD			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	0.6	J
4,4'-DDE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	0.4	J
4,4'-DDT			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	0.2	J
ALDRIN			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ALPHA-BHC			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ALPHA-CHLORDANE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
BETA-BHC			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
DELTA-BHC			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
DIELDRIN			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ENDOSULFAN I			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ENDOSULFAN II			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ENDOSULFAN SULFATE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ENDRIN			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
ENDRIN ALDEHYDE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
GAMMA-BHC			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
GAMMA-CHLORDANE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
HEPTACHLOR			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
HEPTACHLOR EPOXIDE			9.5	U	6.1	U	9.8	U	5.9	U	8.8	U	8.6	U
METHOXYCHLOR			32	U	21	U	33	U	20	U	30	U	29	U
TOXAPHENE			190	U	120	U	200	U	120	U	180	U	170	U
											170	U	120	U

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDQAR for details).

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

**TABLE B-5. ANALYTICAL DATA TABLE FOR PESTICIDES.**

**Table B-6. Analytical Data Table for Metals.**

NW Alleged Disposal Area	Sample ID	HAAFADA 201		HAAFADA 202		HAAFADA 203		HAAFADA 204		HAAFADA 205		HAAFADA 206											
	Depth (ft)	6 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	0 ft bgs	6 ft bgs	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	1 ft bgs	Refusal										
Analyte Names		X	X	X	X	X	X	X	X	X	X	X	X										
Metals - EPA Test Method 6010B and 7471A (All units are in mg/kg)																							
Antimony (Sb)		6	U	5.5	U	4.9	U	3.6	U	4.1	U	5.7	U	5.6	U	3.5	U	3.9	U	3.7	U	3.5	U
Arsenic (As)		9.8	J	5.9	J	12.1		1	J	5.7	J	8.8	J	9	J	0.95	J	3.3	J	2.8	J	3.7	J
Barium (Ba)		43.6	J	43.3	J	60.7	J	108	J	207		49.5	J	43.7	J	66.4	J	22.1	J	62.1	J	147	
Beryllium (Be)		1	U	0.1	J	0.2	J	0.19	J	0.47	J	0.96	U	0.93	U	0.17	J	0.65	U	0.48	J	0.27	J
Cadmium (Cd)		0.25	J	0.12	J	0.03	J	0.6	U	0.68	U	0.96	U	0.93	U	0.25	J	0.06	J	0.62	U	0.59	U
Chromium (Cr)		91		76.9		104		18.1		43.7		94.3		97.6		6.9	J	23		19.8		9.6	J
Cobalt (Co)		19.4	J	17.2	J	12.8	J	5.6	J	9.6	J	17.6	J	18.3	J	9.6	J	3.3	J	8.6	J	4.2	J
Copper (Cu)		38		37.1		36.6		4.8	J	20.3		35.4		38.4		4.2	J	9.6	J	9.9	J	3.9	J
Lead (Pb)		9.7	J	10.8	J	11	J	9.7	J	18.2	J	9.5	J	9.2	J	6	J	6.3	J	7.6	J	8.3	J
Mercury (Hg)		0.13	J	0.11	J	0.08	J	0.06	J	0.19		0.09	J	0.09	J	0.34		0.04	J	0.1	J	0.68	
Molybdenum (Mo)		4	U	3.7	U	3.8		2.4	U	1.1	J	3.8	U	3.7	U	2.4	U	2.5	J	2.5	U	2.3	U
Nickel (Ni)		90.3		80.1		69.2		10.3	J	44.2		90.6		95.4		4.1	J	12.2	J	16.1		8.6	J
Selenium (Se)		2.3		0.77	J	2.7		0.98		0.68	U	0.96	U	0.93	U	0.59	U	0.49	J	0.59	J	0.59	U
Silver (Ag)		1	U	0.91	U	0.81	U	0.6	U	0.68	U	0.96	U	0.93	U	0.3	J	0.65	U	0.62	U	0.59	U
Thallium (Tl)		20	U	18	U	16	U	12	U	14	U	19	U	19	U	12	U	13	U	12	U	12	U
Vanadium (V)		74.9		65.7		90.5		27.2		46.1		74.4		75.3		12.2		28.9		37		26.8	
Zinc (Zn)		88.4		80.7		93.4		14.5		57.7		91.1		95.5		12.2		21.4		19.7		22.6	

NW Alleged Disposal Area	Sample ID	HAAFADA 207		HAAFADA 208		HAAFADA 209		HAAFADA 210		HAAFADA 211		HAAFADA 212																	
	Depth (ft)	5 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	4 ft bgs	14 ft bgs	2 ft bgs	14 ft bgs	14 ft DUP	6 ft bgs	14 ft bgs	6 ft bgs	14 ft bgs	14 ft Dup														
Analyte Names		X	X	X	X	X	X	X	X	X	X	X	X	X															
Metals - EPA Test Method 6010B and 7471A (All units are in mg/kg)																													
Antimony (Sb)		5.7	U	3.6	U	5.9	U	3.6	U	5.3	U	5.2	U	4.5	U	3.9	U	3.9	U	5.4	U	3.3	U	5.2	J				
Arsenic (As)		13.6		8.3		10.5		1.9	J	7.7	J	4.2	J	6.1	J	1.9	J	6.4	U	4.5	J	2.7	J	9.5	3.3	J			
Barium (Ba)		128	J	63.4	J	47.3	J	135		46.8	J	41.6	J	83	J	23.9	J	130	U	43.6	J	83.7	J	45.4	J	28.3	J		
Beryllium (Be)		1.9		0.37	J	0.98	U	0.2	J	0.88	U	0.86	U	0.35	J	0.64	U	0.64	U	0.91	U	0.92	U	0.87	U	0.75	U		
Cadmium (Cd)		0.95	U	0.61	U	0.98	U	0.59	U	0.88	U	0.06	J	0.74	U	0.64	U	0.64	U	0.91	U	0.56	U	0.87	U	0.59	U		
Chromium (Cr)		61.6		35.4		93.4		14.3		95.3		81.1		110		27.3		27.9		89		9.1	J	78.6		18		82.9	
Cobalt (Co)		12.7	J	7.9	J	18.1	J	2.9	J	10.5	J	17	J	17.6	4.5	J	4.5	J	12.3	J	5.9	J	15.5	J	6.9	J	18.1	J	
Copper (Cu)		48.4		20.2		37.8		10.1		31.4		31.7		33.1		9.3	J	9.3	J	27.5		4.8	J	31.4		4.2	J	33.7	
Lead (Pb)		20.4	J	16.2	J	9.9	J	4.7	J	6.9	J	8.1	J	8.7	J	6.4	J	5.6	J	4.8	J	10	J	7.9	J	15.3	J	9.2	J
Mercury (Hg)		0.36		0.09	J	0.1	J	0.1	J	0.1	J	0.08	J	0.22		0.41		0.41		0.1	J	0.64		0.08	J	0.17		0.1	J
Molybdenum (Mo)		1.7	J	2.4	U	3.9	U	2.4	U	3.5	U	3.4	U	3	U	2.6	U	2.6	U	3.6	U	2.2	U	3.5	U	2.4	U	3.7	U
Nickel (Ni)		105		37.4		89.9		11.4	J	54.1		77.2		84.2		19		19.1		64.6		12.2		77.5		14.9		81.7	
Selenium (Se)		0.95	U	2		1.8		0.59	U	0.72	J	0.86	U	0.95		1.1		1.1		0.58	J	0.84		0.87	U	0.5	J	2.7	
Silver (Ag)		0.95	U	0.61	U	0.98	U	0.59	U	0.88	U	0.86	U	0.74	U	0.64	U	0.64	U	0.91	U	0.56	U	0.21	J	0.59	U	0.94	U
Thallium (Tl)		19	U	12	U	20	U	12	U	18	U	17	U	15	U	13	U	13	U	18	U	11	U	17	U	12	U	19	U
Vanadium (V)		55.8		48		74		17.1		74.3		67.8		78.4		39.5		40.1		69.8		30.6		62.3		30.4		69.8	
Zinc (Zn)		79.1		40.6		89.8		13.4		70.6		75.4		111		16.5		16.4		76		25		76.8		21.6		80	

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (refer to CDQAR for details)..

UJ = The analyte was not detected above the reported quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

U = Not Detected.

**TABLE B-6. ANALYTICAL DATA TABLE FOR METALS.**