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SURF! Busway and Bus Rapid Transit (BRT) Project

Monterey-Salinas Transit

Early Work Package
And
Long Lead Item
Report

Ballast and Soil Analytical Testing Results

May 23, 2024

By

Graniterock-Myers, JV

1. Update

The purpose of this update is to provide the results of the Soil and Ballast testing performed on 4/29/2024.

Enclosed you will find the following:

Ballast environmental data analysis and supporting analytical report.

Soil environmental data analysis and supporting analytical report.

Graniterock
License #22

Project Name: MST Ballast
Project Address: Marina through Sand City, CA
Lab Report #: 506597
Sample Date: 4/17/2024

	ReGen STLC Trigger mg/kg	Tier 1 2019	Residential 2019	Commercial 2019	GRB 1	GRB 2	GRB 3	GRB 4	GRB 5	GRB 6	GRB 7	GRB 9	GRB 10
Metals 6010B mg/kg													
Sb - Antimony	0.6	11	11	160	ND	ND	ND	ND	ND	ND	ND	ND	ND
As - Arsenic	5	0.067	0.067	0.31	**0.42**	**2.5**	**0.76**	**0.81**	**15**	**7**	**5.5**	**2**	**3.4**
Ba - Barium	100	390	15000	220000	**66**	**50**	**38**	**27**	**14**	**100**	**18**	**49**	**15**
Be - Beryllium	0.4	5	16	230	**0.091**	**0.092**	**0.082**	**0.057**	**0.12**	**0.17**	**0.13**	**0.1**	**0.097**
Cd - Cadmium	0.5	1.9	78	1100	ND	**0.045**	ND	ND	**0.22**	**0.13**	**0.1**	ND	**0.079**
Cr - Chromium (Total)	5	160	-	-	**5.8**	**15**	**8.9**	**8.9**	**12**	**24**	**30**	**15**	**18**
Co - Cobalt	5	23	23	350	**10**	**8.1**	**13**	**9.5**	**2.2**	**6.4**	**5.2**	**6.5**	**2.5**
Cu - Copper	200	180	3100	47000	**100**	**71**	**88**	**88**	**16**	**40**	**30**	**50**	**9.5**
Pb - Lead	5	32	80	320	**7.2**	**40**	**14**	**22**	**12**	**4.8**	**7**	**8**	**4.9**
Hg - Mercury **(7471B)**	0.2	13	13	190	**0.057**	**0.041**	ND	ND	ND	**0.24**	**0.052**	**0.091**	**0.071**
Mo - Molybdenum	1	6.9	390	5800	**343**	**0.9**	**0.43**	**0.56**	**0.53**	**0.67**	**0.78**	**0.34**	**0.3**
Ni - Nickel	10	86	820	11000	**2.9**	**9.2**	**4.1**	**4.9**	**10**	**35**	**25**	**7.7**	**12**
Se - Selenium	1	2.4	390	5800	**1.5**	**1.2**	**1.9**	**1.1**	ND	**0.94**	**0.86**	**0.93**	ND
Ag - Silver	5	25	390	5800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tl - Thallium	0.05	0.78	0.78	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
V - Vanadium	2	18	390	5800	**120**	**90**	**150**	**94**	**15**	**47**	**31**	**70**	**22**
Zn - Zinc	2000	340	23000	350000	**29**	**40**	**38**	**30**	**35**	**50**	**17**	**24**	**13**
TPH 8260TPH mg/kg													
TPHg		100	430	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH 8015B mg/kg													
TPHd		260	260	1200	ND	**44**	**4.1**	**4.8**	**27**	**630**	**11**	**7.9**	**6.7**
TPHmo		1600	12000	200000	ND	**120**	**4**	**5.4**	**30**	**540**	**10**	**9.1**	**6.5**
Pesticides 8081B ug/kg													
Alpha BHC (Alpha Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta Bhc (Beta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta Bhc (Delta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma Bhc (Lindane)		7.4	550	25000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		120	120	530	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin		2.4	35	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		0.18	620	280	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		9.8	419510	5783990	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		0.46	37	160	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDE		330	1800	8300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		1.1	21000	290000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		--	419510	5783990	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDD		2700	2700	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDT		1.1	1900	8500	ND	**4.8**	ND	ND	ND	ND	ND	ND	ND
Methoxychlor		13	350000	4800000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		510	510	2200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		8.5	480	2200	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs 8082A ug/kg													
Aroclor1016		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1221		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1232		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1242		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1248		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1254		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1260		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1262		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1268		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs		230	230	940	0	0	0	0	0	0	0	0	0
VOCs 8260B ug/kg													
1,1,1,2-Tetrachloroethane		17	2000	8900	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		7000	1700000	7300000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		18	610	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2- Trifluoroethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		76	1200	5100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		200	3600	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		540	83000	350000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		0.11	23	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1200	24000	110000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3- Chloropropane		0.59	4.4	59	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (Ethylene Dibromide)		0.53	36	160	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		1000	1800000	9400000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		7	470	2100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		65	1000	4400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		6000	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene		17	100	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		200	2600	12000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 - Dioxane		0.17	812290	4541690	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane (2,2-DCP)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone (MBK)					ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone		920	61,000,000	670,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		25	330	1400	ND	**2.7**	ND	ND	ND	ND	ND	ND	ND
Bromobenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (BDCM)		16	290	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		690	18000	80000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		360	6900	30000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane, 2-Methoxy-2- Methyl		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		76	620	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		1400	270,000	1300000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		1200	14000000	59000000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		23	320	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		11000	110000	470000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		190	19000	85000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (DBCM)		350	8300	39000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether (DIPE)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Tert-Butyl Ether (ETBE)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		430	5900	26000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene		28	1200	5300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane		19	1800	7800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Ether		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene		--	--	--	ND	**1.4**	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone (2- Butanone)		6100	27000000	200000000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)		360	34000000	140000000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		120	1900	25000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methly mercury		34	6320	82070	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)		28	15621960	65612250	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene		42	3800	17000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (1,2- Dimethylbenzene)		--	--	--	ND	**0.8**	ND	ND	ND	ND	ND	ND	ND
sec-Butyl Benzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		920	5700000	33000000	ND	**4.5**	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol		75	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Methyl Ether		28	47000	210000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		80	590	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene		1200	4160	18940	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		3200	1100000	5300000	ND	**4.8**	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)		2100	580000	2500000	ND	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Trans-1,2-Dichloroethene (trans-1,2-DCE)		650	130000	600000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene (trans-1,3-DCP)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)		85	950	6100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		1.5	8.3	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs 8270C-SIM ug/kg													
1-Methylnaphthalene		--	--	--	ND	**35**	ND	ND	**11**	ND	ND	ND	ND
2-Methylnaphthalene		880	240000	3013780	ND	**50**	ND	ND	**22**	ND	ND	**3**	ND
Naphthalene		42	3800	584540	ND	**50**	ND	ND	**45**	ND	ND	ND	ND
Acenaphthylene		64000	--	--	ND	**21**	ND	ND	**7.3**	ND	**15**	ND	ND
Acenaphthene		12000	3600000	45206720	ND	ND	ND	ND	**20**	ND	ND	ND	**18**
Fluorene		6000	2400000	30137810	ND	ND	ND	ND	**9.7**	ND	ND	ND	**23**
Phenanthrene		7800	--	--	ND	**49**	**6**	**6.1**	**26**	ND	**5.8**	**4.6**	**220**
Anthracene		1900	18000000	226033600	ND	**33**	**2.7**	**3.6**	**20**	ND	**40**	**3.5**	**130**
Fluoranthene		690	2400000	30137810	ND	**140**	**19**	**28**	**19**	ND	**19**	**4.9**	**750**
Pyrene		45000	1800000	22603360	ND	**94**	**12**	**11**	ND	ND	**20**	**6.9**	**900**
Benz[a]anthracene		630	1100	20000	ND	**43**	**3.9**	**3.1**	**4.6**	ND	**6.5**	**1.8**	**400**

Chrysene		--	1100	--	**4**	**150**	**20**	**7.9**	**11**	ND	**13**	**3.4**	**750**
Benzo[b]fluoranthene		1100	1100	--	**7.1**	**340**	**35**	**15**	**45**	ND	**46**	**6.8**	**600**
Benzo[k]fluoranthene		1100	1100	--	**7.1**	**87**	**10**	**4.3**	**12**	ND	**11**	**1.9**	**240**
Benzo[a]pyrene		110	110	2100	**2.3**	**50**	**4.1**	**3.7**	**61**	ND	**30**	**2.4**	**220**
Indeno[1,2,3-cd]pyrene		480	1100	--	ND	**80**	**9.5**	**4.8**	**12**	ND	**43**	**3.7**	**180**
Dibenz[a,h]anthracene		110	110	--	ND	**18**	ND	ND	ND	ND	**6.5**	ND	**36**
Benzo[g,h,i]perylene		2500	--	--	**1.7**	**77**	**99**	**6.9**	**17**	ND	**43**	**6.9**	**200**
PAH, Total		--	--	--	**22.2**	**1317**	**221.2**	**94.4**	**342.6**	**0**	**298.8**	**49.8**	**4667**
Asbestos %													
CARB 435A		--	--	--	**ND**			**ND**		**ND**		**ND**	

ND = Non-Detect
-- = Value not established
- = Not tested
STLC Result (CA Title 22 Trigger Level reached)
STLC Required for ReGen Monterey Landfill
Over Residential ESLs; OK for Commercial/Industrial
*** Values highlighted indicate an exceedance for corresponding screening levels.**

Graniterock
License #22

Project Name: MST Ballast
Project Address: Marina through Sand City, CA
Lab Report #: 506597
Sample Date: 4/17/2024

	ReGen STLC Trigger mg/kg	Tier 1 2019	Residential 2019	Commercial 2019	GRB 10	GRB 11	GRB 12	GRB 13	GRB 14	GRB 15	GRB 16	GRB 17
Metals 6010B mg/kg												
Sb - Antimony	0.6	11	11	160	ND	ND	ND	ND	ND	ND	ND	ND
As - Arsenic	5	0.067	0.067	0.31	**5.6**	**4.8**	**2.5**	**1.8**	**2.4**	**1**	**1.7**	**2**
Ba - Barium	100	390	15000	220000	**35**	**18**	**19**	**12**	**49**	**45**	**71**	**36**
Be - Beryllium	0.4	5	16	230	**0.079**	**0.1**	**0.094**	**0.077**	**0.079**	**0.088**	**0.061**	**0.054**
Cd - Cadmium	0.5	1.9	78	1100	**0.083**	**0.15**	**0.11**	**0.17**	ND	ND	**0.68**	**0.34**
Cr - Chromium (Total)	5	160	-	-	**24**	**26**	**9.4**	**5.8**	**9**	**8.2**	**61**	**12**
Cr (STLC), mg/L	--	--	--	--	-	-	-	-	-	-	***0.15***	-
Co - Cobalt	5	23	23	350	**11**	**4.9**	**1.6**	**0.84**	**9.6**	**8.8**	**12**	**9.8**
Cu - Copper	200	180	3100	47000	**64**	**47**	**11**	**4.7**	**47**	**55**	**140**	**70**
Pb - Lead	5	32	80	320	**40**	**25**	**15**	**5.5**	**6**	**5.4**	**33**	**53**
Pb (STLC), mg/L	--	--	--	--	-	-	-	-	-	-	-	***0.98***
Hg - Mercury **(7471B)**	0.2	13	13	190	**0.098**	**0.067**	**0.075**	**0.05**	**0.092**	**0.077**	**0..071**	**3.3**
Hg (STLC), mg/L	--	--	--	--	-	-	-	-	-	-	-	***0.035***
Mo - Molybdenum	1	6.9	390	5800	**0.76**	**0.94**	**0.25**	ND	**0.28**	**0.34**	**0.52**	**0.39**
Ni - Nickel	10	86	820	11000	**15**	**22**	**5.8**	**4.2**	**5.4**	**3.3**	**30**	**8.9**
Se - Selenium	1	2.4	390	5800	**1.3**	**0.8**	ND	ND	**1.2**	**1.3**	**1.3**	**0.78**
Ag - Silver	5	25	390	5800	ND	ND	ND	ND	ND	ND	ND	ND
Tl - Thallium	0.05	0.78	0.78	12	ND	ND	ND	ND	ND	ND	ND	ND
V - Vanadium	2	18	390	5800	**95**	**29**	**12**	**6.4**	**82**	**110**	**96**	**74**
Zn - Zinc	2000	340	23000	350000	**34**	**26**	**26**	**14**	**33**	**33**	**55**	**1000**
TPH 8260TPH mg/kg												
TPHg		100	430	2000	ND	ND	ND	ND	ND	ND	ND	ND
TPH 8015B mg/kg												
TPHd		260	260	1200	**8.1**	**21**	**12**	**7.1**	**12**	ND	**12**	**110**
TPHmo		1600	12000	200000	**7.9**	**12**	**11**	**8**	**15**	ND	**13**	**96**
Pesticides 8081B ug/kg												
Alpha BHC (Alpha Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Beta Bhc (Beta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Delta Bhc (Delta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Gamma Bhc (Lindane)		7.4	550	25000	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor		120	120	530	ND	ND	ND	ND	ND	ND	**2.9**	ND
Aldrin		2.4	35	150	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide		0.18	620	280	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I		9.8	419510	5783990	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin		0.46	37	160	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDE		330	1800	8300	ND	ND	ND	ND	ND	ND	ND	ND
Endrin		1.1	21000	290000	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II		--	419510	5783990	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDD		2700	2700	12000	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDT		1.1	1900	8500	ND	ND	ND	ND	**2.1**	ND	ND	ND
Methoxychlor		13	350000	4800000	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene		510	510	2200	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane		8.5	480	2200	ND	ND	ND	**19**	ND	ND	**490**	ND
PCBs 8082A ug/kg												
Aroclor1016		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1221		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1232		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1242		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1248		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1254		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1260		230	230	230	ND	ND	ND	ND	ND	ND	ND	**64**
Aroclor1262		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor1268		230	230	230	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs		230	230	940	ND	ND	ND	ND	ND	ND	ND	ND
VOCs 8260B ug/kg												
1,1,1,2-Tetrachloroethane		17	2000	8900	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		7000	1700000	7300000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		18	610	2700	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2- Trifluoroethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		76	1200	5100	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane		200	3600	16000	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		540	83000	350000	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		0.11	23	110	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1200	24000	110000	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3- Chloropropane		0.59	4.4	59	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (Ethylene Dibromide)		0.53	36	160	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		1000	1800000	9400000	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane		7	470	2100	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane		65	1000	4400	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		6000	--	--	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene		17	100	300	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		200	2600	12000	ND	ND	ND	ND	ND	ND	ND	ND
1,4 - Dioxane		0.17	812290	4541690	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane (2,2-DCP)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone (MBK)					ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Acetone		920	61,000,000	670,000,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzene		25	330	1400	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (BDCM)		16	290	1300	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		690	18000	80000	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		360	6900	30000	ND	ND	ND	ND	ND	ND	ND	ND
Butane, 2-Methoxy-2- Methyl		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride		76	620	2700	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene		1400	270,000	1300000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		1200	14000000	59000000	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		23	320	1400	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane		11000	110000	470000	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		190	19000	85000	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Cymene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane (DBCM)		350	8300	39000	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Di-isopropyl ether (DIPE)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Tert-Butyl Ether (ETBE)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene		430	5900	26000	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene		28	1200	5300	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane		19	1800	7800	ND	ND	ND	ND	ND	ND	ND	ND
Isopropyl Ether		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone (2- Butanone)		6100	27000000	200000000	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)		360	34000000	140000000	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride		120	1900	25000	ND	ND	ND	ND	ND	ND	ND	ND
Methly mercury		34	6320	82070	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)		28	15621960	65612250	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene		42	3800	17000	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene (1,2- Dimethylbenzene)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butyl Benzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene		920	5700000	33000000	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol		75	--	--	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl Methyl Ether		28	47000	210000	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		80	590	2700	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene		1200	4160	18940	ND	ND	ND	ND	ND	ND	ND	ND
Toluene		3200	1100000	5300000	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)		2100	580000	2500000	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene (trans-1,2-DCE)		650	130000	600000	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene (trans-1,3-DCP)		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)		85	950	6100	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride		1.5	8.3	150	ND	ND	ND	ND	ND	ND	ND	ND
PAHs 8270C-SIM ug/kg												
1-Methylnaphthalene		--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene		880	240000	3013780	**2.7**	**3.2**	ND	ND	ND	ND	ND	ND

Naphthalene		42	3800	584540	**6.6**	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene		64000	--	--	ND	**14**	**52**	**11**	ND	ND	ND	ND
Acenaphthene		12000	3600000	45206720	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene		6000	2400000	30137810	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene		7800	--	--	**11**	**6.7**	**29**	**5.1**	ND	ND	**5.5**	**4.6**
Anthracene		1900	18000000	226033600	**5.9**	**31**	**86**	**34**	**2.3**	ND	**3.3**	**1.7**
Fluoranthene		690	2400000	30137810	**17**	**20**	**88**	**10**	ND	**3.4**	**11**	**6.9**
Pyrene		45000	1800000	22603360	**9.5**	**26**	**75**	**9.2**	ND	**3.9**	**11**	**6.5**
Benz[a]anthracene		630	1100	20000	**3.3**	**15**	**27**	**6.5**	**1.2**	**1.4**	**4.2**	**1.9**
Chrysene		--	1100	--	**7.8**	**18**	**47**	**7.1**	**2.4**	**2.6**	**12**	**4.3**
Benzo[b]fluoranthene		1100	1100	--	**12**	**60**	**120**	**92**	**4.2**	**4.6**	**23**	**7.9**
Benzo[k]fluoranthene		1100	1100	--	**3.1**	**19**	**35**	**48**	**1.2**	**1.3**	**6.7**	**2.3**
Benzo[a]pyrene		110	110	2100	**3**	**36**	**43**	**27**	**2.1**	**2.3**	**6.7**	**2.6**
Indeno[1,2,3-cd]pyrene		480	1100	--	**5.3**	**74**	**93**	**35**	**2.9**	**3**	**11**	**5.3**
Dibenz[a,h]anthracene		110	110	--	ND	**11**	**20**	**7.1**	ND	ND	ND	ND
Benzo[g,h,i]perylene		2500	--	--	**7**	**120**	**140**	**26**	**5.3**	**6.1**	**14**	**9.5**
PAH, Total		--	--	--	**94.2**	**453.9**	**855**	**318**	**21.6**	**28.6**	**108.4**	**53.5**
Asbestos %												
CARB 435A		--	--	--		**ND**		**ND**		**ND**		**ND**

ND = Non-Detect
-- = Value not established
- = Not tested
STLC Result (CA Title 22 Trigger Level reached)
STLC Required for ReGen Monterey Landfill
Over Residential ESLs; OK for Commercial/Industria
*** Values highlighted indicate an exceedance for corresponding screening levels**

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

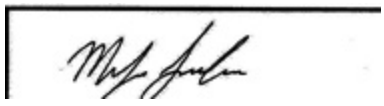
Lab Job Number : 506597
Report Level : II
Report Date : 05/01/2024

Analytical Report *prepared for:*

Lisa Prasad
Graniterock
350 Technology Dr
Watsonville, CA 95076

Project: 8133 - MST Ballast

Authorized for release by:



Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lisa Prasad Graniterock 350 Technology Dr Watsonville, CA 95076		Lab Job #: Project No: Location: Date Received:	506597 8133 MST Ballast 04/17/24

Sample ID	Lab ID	Collected	Matrix
GRB 1	506597-001	04/17/24 11:20	Soil
GRB 2	506597-002	04/17/24 11:23	Soil
GRB 3	506597-003	04/17/24 11:26	Soil
GRB 4	506597-004	04/17/24 11:29	Soil
GRB 5	506597-005	04/17/24 11:35	Soil
GRB 6	506597-006	04/17/24 11:39	Soil
GRB 7	506597-007	04/17/24 11:57	Soil
GRB 8	506597-008	04/17/24 11:59	Soil
GRB 9	506597-009	04/17/24 12:04	Soil
GRB 10	506597-010	04/17/24 12:07	Soil
GRB 11	506597-011	04/17/24 12:14	Soil
GRB 12	506597-012	04/17/24 12:35	Soil
GRB 13	506597-013	04/17/24 12:37	Soil
GRB 14	506597-014	04/17/24 12:53	Soil
GRB 15	506597-015	04/17/24 12:55	Soil
GRB 16	506597-016	04/17/24 12:59	Soil
GRB 17	506597-017	04/17/24 13:03	Soil

ENTHALPY ANALYTICAL

Case Narrative

Graniterock 350 Technology Dr Watsonville, CA 95076 Lisa Prasad	Lab Job Number: 506597 Project No: 8133 Location: MST Ballast Date Received: 04/17/24

- This data package contains sample and QC results for seventeen soil samples, requested for the above referenced project on 04/17/24. The samples were received cold and intact.
- Report reissued on 5-1-2024 to include STLC and asbestos results.

TPH-Extractables by GC (EPA 8015M):

- Low surrogate recovery was observed for n-triacontane in the MS for batch 338680; the parent sample was not a project sample. High surrogate recovery was also observed for n-triacontane in the MSD for batch 338680.
- GRB 6 (lab # 506597-006) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- Many samples were diluted due to the dark and viscous nature of the sample extracts.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):

- GRB 6 (lab # 506597-006) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD of GRB 1 (lab # 506597-001); the LCS was within limits, and the associated RPD was within limits.
- Copper was detected between the MDL and the RL in the method blank for batch 338460; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) WET Leachate:
No analytical problems were encountered.

Moisture (ASTM D2216):
No analytical problems were encountered.

Asbestos (CARB 435):
SGS Forensic in Hayward, CA performed the analysis (see sublab report section for certifications). Please see the SGS Forensic case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 506597

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 Sth Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air (S = Soil/Solid)
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Graniterock	Name:	MST Ballast
Report To:	Lisa Prasad	Number:	8133
Email:	Lprasad@graniterock.com	P.O. #:	
Address:	350 Technology Dr.	Address:	
	Watsonville, CA 95076		
Phone:	831-768-2000	Global ID:	
		Sampled By:	

Test Instructions / Comments: Please also run STLC/TCLP on results over Title 22 10x & 20x trigger levels.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	CAM 17 (T22) - 6010	TPH (DRO/MRO/GRO)	Silica Gel Cleanup for TPH (DRO/MRO)	VOCs	SVOC - PAH / PNA SIM	OCP (Pesticides) + PCBs (8081/8082)	Florisil Cleanup	Asbestos CARB 435	Moisture % (Report in Dry Weight)
1	GRB1	4-17-24	11:20	Soil	16oz jar		X	X		X	X	X		X	X
2	GRB 2		11:23	"	"		"	"		"	"	"			"
3	GRB 3		11:26	Ballast											
4	GRB 4		11:29	"										X	
5	GRB 5		11:35	"											
6	GRB 6		11:39	"										X	
7	GRB 7		11:57	"											
8	GRB 8		11:59	"											
9	GRB 9		12:04	"										X	
10	GRB 10		12:07	"											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Lisa Prasad	Graniterock / SDM	4-17-24 15:38
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/24 15:38
[2] Relinquished By:	Audrey Hudson	"	"	4/17/24 17:20
[2] Received By:		Jadz Peterson	Enthalpy	4.17.24 17:20
[3] Relinquished By:		Kenneth High	EA	4/19/24 16:15
[3] Received By:	J. Quintero	JEIBERT QUINTERO	C-4	4/20/24 1030

ENTHALPY ANALYTICAL

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Chain of Custody Record

Lab No: 506597

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Graniterock	Name:	MST Ballast
Report To:	Lisa Prasad	Number:	8133
Email:	Lprasad@graniterock.com	P.O. #:	
Address:	350 Technology Dr.	Address:	
	Watsonville, CA 95076		
Phone:	831-768-2000	Global ID:	
		Sampled By:	

Test Instructions / Comments

Please also run STLC/TCLP on results over Title 22 10x & 20x trigger levels.

Analysis Request

#	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	CAM 17 (T22) - 6010	TPH (DRO/MRO/GRO)	Silica Gel Cleanup for TPH (DRO/MRO)	VOCs	SVOC - PAH / PNA SIM	OCP (Pesticides) + PCBs (8081/8082)	Florisil Cleanup	Asbestos CARB 435	Moisture % (Report in Dry Weight)
1	GRB 11	4-17-24	12:14	Soil	16oz jar		X	X		X	X	X		X	X
2	GRB 12	↑	12:35	↓	↑										
3	GRB 13		12:37	Ballast										X	
4	GRB 14		12:53	↑											
5	GRB 15		12:55											X	
6	GRB 16		12:59												
7	GRB 17		13:03	↓	↓		↓	↓		↓	↓	↓		X	↓
8															
9		↓													
10															

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Lisa Prasad	Graniterock / SDM	4-17-24 15:35
1 Received By:	[signature]	Audrey Hudson	Enthalpy	4/17/24 15:35
2 Relinquished By:	[signature]	" "	" "	4/17/24 17:20
2 Received By:	[signature]	Jack Peterson	Enthalpy	4.17.24 17:20
3 Relinquished By:	[signature]	Kenneth High	EA	4/19/24 16:15
3 Received By:	[signature]	Jelbert Ortiz	E.A.	4/20/24 1030

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 4.17.24 Login # 506597 Client: GraniteRock

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ☑ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 4.17.24 By (print) Jadz Peterson (sign) [signature]

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C JJP 4.17.24

Type of ice used : ☑ Wet ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ~~☐ No~~

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted about this delivery? Contacted:_____ By:_____ Date:_____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)	✓		
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments Some samples will require crushing for analysis.

Date Logged 4.17.24 **By (print)** JJP for MAY **(sign)** [signature]

Date Labeled 4.17.24 **By (print)** Jadz Peterson **(sign)** [signature]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Graniterock Project: MST

Date Received: 4/20/24 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 2 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.3 #2: 5.2 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperoture as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 1.8 #2: 1.7 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

506597

SEE BERKELEY COOLER SHEET

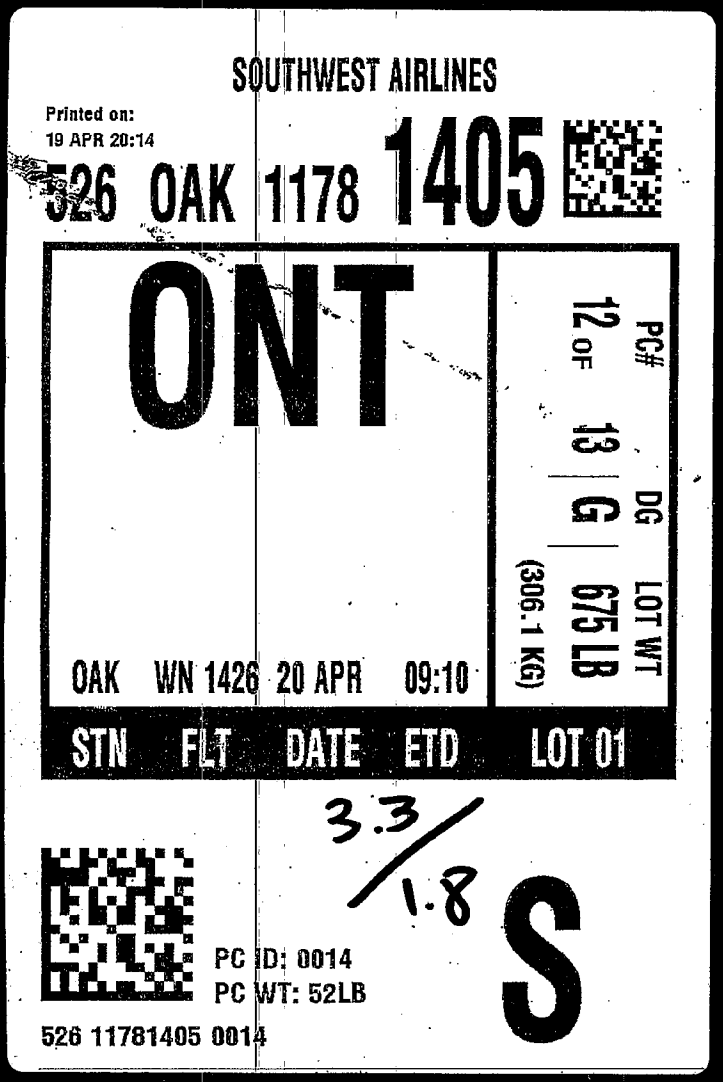
Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/20/24


SOUTHWEST AIRLINES
Printed on:
19 APR 20:14
526 OAK 1178 1405
ONT
PC#
12 OF 13
DG
G
LOT WT
675 LB
(306.1 KG)
OAK WN 1426 20 APR 09:10
STN FLT DATE ETD LOT 01
3.3
1.8
S
PC ID: 0014
PC WT: 52LB
526 11781405 0014


SOUTHWEST AIRLINES
Printed on:
19 APR 20:14
526 OAK 1178 1405
ONT
PC# 1 OF 13
DG G
LOT WT 675 LB (306.1 KG)
OAK WN 1426 20 APR 09:10
STN FLT DATE ETD LOT 01
5.2/1.7
S
PC ID: 0001
PC WT: 52LB
0001

ENTHALPY ANALYTICAL

Analysis Results for 506597

Lisa Prasad
Graniterock
350 Technology Dr
Watsonville, CA 95076

Lab Job #: 506597
Project No: 8133
Location: MST Ballast
Date Received: 04/17/24

Sample ID: GRB 1 | **Lab ID: 506597-001** | **Collected: 04/17/24 11:20**
Matrix: Soil | **Basis: Dry**

506597-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.85	0.97	338460	04/22/24	04/23/24	SBW
Arsenic	**0.42**	J	mg/Kg	0.97	0.25	0.97	338460	04/22/24	04/23/24	SBW
Barium	**66**		mg/Kg	0.97	0.077	0.97	338460	04/22/24	04/23/24	SBW
Beryllium	**0.091**	J	mg/Kg	0.49	0.0061	0.97	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.49	0.035	0.97	338460	04/22/24	04/23/24	SBW
Chromium	**5.8**		mg/Kg	0.97	0.22	0.97	338460	04/22/24	04/23/24	SBW
Cobalt	**10**		mg/Kg	0.49	0.22	0.97	338460	04/22/24	04/23/24	SBW
Copper	**100**		mg/Kg	0.97	0.14	0.97	338460	04/22/24	04/23/24	SBW
Lead	**7.2**		mg/Kg	0.97	0.25	0.97	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.43**	J	mg/Kg	0.97	0.11	0.97	338460	04/22/24	04/23/24	SBW
Nickel	**2.9**		mg/Kg	0.97	0.12	0.97	338460	04/22/24	04/23/24	SBW
Selenium	**1.5**	J	mg/Kg	2.9	0.52	0.97	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.49	0.060	0.97	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.33	0.97	338460	04/22/24	04/23/24	SBW
Vanadium	**120**		mg/Kg	0.97	0.050	0.97	338460	04/22/24	04/23/24	SBW
Zinc	**29**		mg/Kg	4.9	0.23	0.97	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.057**	J	mg/Kg	0.15	0.037	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	TJW
DRO C10-C28	ND		mg/Kg	10	3.4	1	338396	04/22/24	04/23/24	TJW
ORO C28-C44	ND		mg/Kg	20	3.4	1	338396	04/22/24	04/23/24	TJW
Surrogates				**Limits**						
n-Triacontane	104%		%REC	70-130		1	338396	04/22/24	04/23/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.0	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	338386	04/22/24	04/23/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	31	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	65%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	47%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	50	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	50	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	50	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	50	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	50	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	50	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	50	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	50	14	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	62%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	HMN
Chloromethane	ND		ug/Kg	250	180	50	338582	04/24/24	04/24/24	HMN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	HMN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	HMN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	HMN
Trichlorofluoromethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	HMN
Acetone	ND		ug/Kg	5,000	1,900	50	338582	04/24/24	04/24/24	HMN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	HMN
1,1-Dichloroethene	ND		ug/Kg	250	64	50	338582	04/24/24	04/24/24	HMN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	HMN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	50	338582	04/24/24	04/24/24	HMN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	HMN
2-Butanone	ND		ug/Kg	5,000	280	50	338582	04/24/24	04/24/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	HMN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	HMN
Chloroform	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	HMN
Bromochloromethane	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	HMN
1,1-Dichloropropene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	HMN
Carbon Tetrachloride	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	HMN
1,2-Dichloroethane	ND		ug/Kg	250	98	50	338582	04/24/24	04/24/24	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	HMN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	HMN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	HMN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	HMN
Dibromomethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	50	338582	04/24/24	04/24/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	HMN
Toluene	ND		ug/Kg	250	51	50	338582	04/24/24	04/24/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	HMN
1,3-Dichloropropane	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	HMN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	HMN
Dibromochloromethane	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	HMN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	HMN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	HMN
Ethylbenzene	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	HMN
m,p-Xylenes	ND		ug/Kg	500	120	50	338582	04/24/24	04/24/24	HMN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	HMN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	HMN
Bromoform	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	HMN
Isopropylbenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	250	72	50	338582	04/24/24	04/24/24	HMN
Propylbenzene	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	HMN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	HMN
2-Chlorotoluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	HMN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	HMN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	HMN
sec-Butylbenzene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	HMN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	HMN
n-Butylbenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	50	338582	04/24/24	04/24/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	50	338582	04/24/24	04/24/24	HMN
Hexachlorobutadiene	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	HMN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		50	338582	04/24/24	04/24/24	HMN
1,2-Dichloroethane-d4	98%		%REC	70-145		50	338582	04/24/24	04/24/24	HMN
Toluene-d8	98%		%REC	70-145		50	338582	04/24/24	04/24/24	HMN
Bromofluorobenzene	100%		%REC	70-145		50	338582	04/24/24	04/24/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	9.9	3.6	0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthylene	ND		ug/Kg	9.9	1.6	0.99	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	9.9	1.0	0.99	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	9.9	1.2	0.99	338434	04/22/24	04/23/24	DJL
Phenanthrene	ND		ug/Kg	9.9	2.2	0.99	338434	04/22/24	04/23/24	DJL
Anthracene	ND		ug/Kg	9.9	1.4	0.99	338434	04/22/24	04/23/24	DJL
Fluoranthene	ND		ug/Kg	9.9	3.3	0.99	338434	04/22/24	04/23/24	DJL
Pyrene	ND		ug/Kg	9.9	3.6	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	ND		ug/Kg	9.9	1.1	0.99	338434	04/22/24	04/23/24	DJL
Chrysene	**4.0**	J	ug/Kg	9.9	0.95	0.99	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**7.1**	J	ug/Kg	9.9	0.92	0.99	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**2.3**	J	ug/Kg	9.9	1.0	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	ND		ug/Kg	9.9	1.3	0.99	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	2.8	0.99	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**1.7**	J	ug/Kg	9.9	1.6	0.99	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	75%		%REC	27-125		0.99	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	75%		%REC	30-120		0.99	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	78%		%REC	33-155		0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 2	Lab ID: 506597-002	Collected: 04/17/24 11:23
	Matrix: Soil	Basis: Dry

506597-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**1**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.86	0.97	338460	04/22/24	04/23/24	SBW
Arsenic	**2.5**		mg/Kg	0.98	0.25	0.97	338460	04/22/24	04/23/24	SBW
Barium	**50**		mg/Kg	0.98	0.078	0.97	338460	04/22/24	04/23/24	SBW
Beryllium	**0.092**	J	mg/Kg	0.49	0.0062	0.97	338460	04/22/24	04/23/24	SBW
Cadmium	**0.045**	J	mg/Kg	0.49	0.036	0.97	338460	04/22/24	04/23/24	SBW
Chromium	**15**		mg/Kg	0.98	0.22	0.97	338460	04/22/24	04/23/24	SBW
Cobalt	**8.1**		mg/Kg	0.49	0.22	0.97	338460	04/22/24	04/23/24	SBW
Copper	**71**		mg/Kg	0.98	0.14	0.97	338460	04/22/24	04/23/24	SBW
Lead	**40**		mg/Kg	0.98	0.26	0.97	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.90**	J	mg/Kg	0.98	0.11	0.97	338460	04/22/24	04/23/24	SBW
Nickel	**9.2**		mg/Kg	0.98	0.12	0.97	338460	04/22/24	04/23/24	SBW
Selenium	**1.2**	J	mg/Kg	2.9	0.53	0.97	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.49	0.061	0.97	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.33	0.97	338460	04/22/24	04/23/24	SBW
Vanadium	**90**		mg/Kg	0.98	0.050	0.97	338460	04/22/24	04/23/24	SBW
Zinc	**40**		mg/Kg	4.9	0.23	0.97	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.041**	J	mg/Kg	0.15	0.038	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	40		4	338680	04/25/24	04/25/24	KMB
DRO C10-C28	**44**		mg/Kg	40	14	4	338680	04/25/24	04/25/24	KMB
ORO C28-C44	**120**		mg/Kg	81	14	4	338680	04/25/24	04/25/24	KMB
Surrogates				**Limits**						
n-Triacontane	110%		%REC	70-130		4	338680	04/25/24	04/25/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	**4.8**	J	ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	64%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	45%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	61%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	32	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	20		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.1	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.3	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Benzene	**2.7**	J	ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1.6	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	**4.8**	J	ug/Kg	5.1	0.9	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	**1.4**	J	ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	**0.8**	J	ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	**4.5**	J	ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	100%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	**35**	J	ug/Kg	41	6.2	4	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	**50**		ug/Kg	41	6.2	4	338434	04/22/24	04/23/24	DJL
Naphthalene	**50**		ug/Kg	41	15	4	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**21**	J	ug/Kg	41	6.5	4	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	41	4.2	4	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	41	5.1	4	338434	04/22/24	04/23/24	DJL
Phenanthrene	**49**		ug/Kg	41	8.9	4	338434	04/22/24	04/23/24	DJL
Anthracene	**33**	J	ug/Kg	41	5.7	4	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**140**		ug/Kg	41	14	4	338434	04/22/24	04/23/24	DJL
Pyrene	**94**		ug/Kg	41	15	4	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**43**		ug/Kg	41	4.4	4	338434	04/22/24	04/23/24	DJL
Chrysene	**150**		ug/Kg	41	3.9	4	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**340**		ug/Kg	41	3.8	4	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**87**		ug/Kg	41	4.3	4	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**50**		ug/Kg	41	5.4	4	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**80**		ug/Kg	41	6.2	4	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	**18**	J	ug/Kg	41	11	4	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**77**		ug/Kg	41	6.7	4	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	63%		%REC	27-125		4	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	82%		%REC	30-120		4	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	74%		%REC	33-155		4	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 3	Lab ID: 506597-003	Collected: 04/17/24 11:26
	Matrix: Soil	Basis: Dry

506597-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.85	0.96	338460	04/22/24	04/23/24	SBW
Arsenic	**0.76**	J	mg/Kg	0.96	0.24	0.96	338460	04/22/24	04/23/24	SBW
Barium	**38**		mg/Kg	0.96	0.077	0.96	338460	04/22/24	04/23/24	SBW
Beryllium	**0.082**	J	mg/Kg	0.48	0.0060	0.96	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.48	0.035	0.96	338460	04/22/24	04/23/24	SBW
Chromium	**8.9**		mg/Kg	0.96	0.22	0.96	338460	04/22/24	04/23/24	SBW
Cobalt	**13**		mg/Kg	0.48	0.21	0.96	338460	04/22/24	04/23/24	SBW
Copper	**88**		mg/Kg	0.96	0.14	0.96	338460	04/22/24	04/23/24	SBW
Lead	**14**		mg/Kg	0.96	0.25	0.96	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.43**	J	mg/Kg	0.96	0.11	0.96	338460	04/22/24	04/23/24	SBW
Nickel	**4.1**		mg/Kg	0.96	0.11	0.96	338460	04/22/24	04/23/24	SBW
Selenium	**1.9**	J	mg/Kg	2.9	0.52	0.96	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.48	0.059	0.96	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.32	0.96	338460	04/22/24	04/23/24	SBW
Vanadium	**150**		mg/Kg	0.96	0.049	0.96	338460	04/22/24	04/23/24	SBW
Zinc	**38**		mg/Kg	4.8	0.23	0.96	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.14	0.036	1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	9.9		0.99	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**4.1**	J	mg/Kg	9.9	3.4	0.99	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**4.0**	J	mg/Kg	20	3.4	0.99	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	79%		%REC	70-130		0.99	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	64%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	54%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	68%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	180	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,000	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	64	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,000	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	98	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	51	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	500	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	72	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	99%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	101%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.0	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	**6.0**	J	ug/Kg	10	2.2	1	338434	04/22/24	04/23/24	DJL
Anthracene	**2.7**	J	ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**19**		ug/Kg	10	3.4	1	338434	04/22/24	04/23/24	DJL
Pyrene	**12**		ug/Kg	10	3.7	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**3.9**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Chrysene	**20**		ug/Kg	10	0.97	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**35**		ug/Kg	10	0.93	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**10**		ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**4.1**	J	ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**9.5**	J	ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**9.9**	J	ug/Kg	10	1.7	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	56%		%REC	27-125		1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	53%		%REC	30-120		1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	58%		%REC	33-155		1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 4	Lab ID: 506597-004	Collected: 04/17/24 11:29
	Matrix: Soil	Basis: Dry

506597-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.87	0.98	338460	04/22/24	04/23/24	SBW
Arsenic	**0.81**	J	mg/Kg	0.99	0.25	0.98	338460	04/22/24	04/23/24	SBW
Barium	**27**		mg/Kg	0.99	0.079	0.98	338460	04/22/24	04/23/24	SBW
Beryllium	**0.057**	J	mg/Kg	0.50	0.0062	0.98	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.50	0.036	0.98	338460	04/22/24	04/23/24	SBW
Chromium	**8.9**		mg/Kg	0.99	0.23	0.98	338460	04/22/24	04/23/24	SBW
Cobalt	**9.5**		mg/Kg	0.50	0.22	0.98	338460	04/22/24	04/23/24	SBW
Copper	**88**		mg/Kg	0.99	0.14	0.98	338460	04/22/24	04/23/24	SBW
Lead	**22**		mg/Kg	0.99	0.26	0.98	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.56**	J	mg/Kg	0.99	0.11	0.98	338460	04/22/24	04/23/24	SBW
Nickel	**4.9**		mg/Kg	0.99	0.12	0.98	338460	04/22/24	04/23/24	SBW
Selenium	**1.1**	J	mg/Kg	3.0	0.54	0.98	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.50	0.061	0.98	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.33	0.98	338460	04/22/24	04/23/24	SBW
Vanadium	**94**		mg/Kg	0.99	0.051	0.98	338460	04/22/24	04/23/24	SBW
Zinc	**30**		mg/Kg	5.0	0.23	0.98	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.040	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**4.8**	J	mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**5.4**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	96%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	71%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	70%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	88%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	100	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,100	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	65	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	50	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,100	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	79	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	86	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	34	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	510	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	53	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	99%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	0.99	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	0.99	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	0.99	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	0.99	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.0	0.99	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.2	0.99	338434	04/22/24	04/23/24	DJL
Phenanthrene	**6.1**	J	ug/Kg	10	2.2	0.99	338434	04/22/24	04/23/24	DJL
Anthracene	**3.6**	J	ug/Kg	10	1.4	0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**28**		ug/Kg	10	3.4	0.99	338434	04/22/24	04/23/24	DJL
Pyrene	**11**		ug/Kg	10	3.6	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**3.1**	J	ug/Kg	10	1.1	0.99	338434	04/22/24	04/23/24	DJL
Chrysene	**7.9**	J	ug/Kg	10	0.96	0.99	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**15**		ug/Kg	10	0.93	0.99	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**4.3**	J	ug/Kg	10	1.1	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**3.7**	J	ug/Kg	10	1.3	0.99	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**4.8**	J	ug/Kg	10	1.5	0.99	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	0.99	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**6.9**	J	ug/Kg	10	1.7	0.99	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	61%		%REC	27-125		0.99	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	66%		%REC	30-120		0.99	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	74%		%REC	33-155		0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

Sample ID: GRB 5	Lab ID: 506597-005	Collected: 04/17/24 11:35
	Matrix: Soil	Basis: Dry

506597-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.85	0.97	338460	04/22/24	04/23/24	SBW
Arsenic	**15**		mg/Kg	0.97	0.25	0.97	338460	04/22/24	04/23/24	SBW
Barium	**14**		mg/Kg	0.97	0.077	0.97	338460	04/22/24	04/23/24	SBW
Beryllium	**0.12**	J	mg/Kg	0.49	0.0061	0.97	338460	04/22/24	04/23/24	SBW
Cadmium	**0.22**	J	mg/Kg	0.49	0.035	0.97	338460	04/22/24	04/23/24	SBW
Chromium	**12**		mg/Kg	0.97	0.22	0.97	338460	04/22/24	04/23/24	SBW
Cobalt	**2.2**		mg/Kg	0.49	0.22	0.97	338460	04/22/24	04/23/24	SBW
Copper	**16**		mg/Kg	0.97	0.14	0.97	338460	04/22/24	04/23/24	SBW
Lead	**12**		mg/Kg	0.97	0.25	0.97	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.53**	J	mg/Kg	0.97	0.11	0.97	338460	04/22/24	04/23/24	SBW
Nickel	**10**		mg/Kg	0.97	0.12	0.97	338460	04/22/24	04/23/24	SBW
Selenium	ND		mg/Kg	2.9	0.52	0.97	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.49	0.060	0.97	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.33	0.97	338460	04/22/24	04/23/24	SBW
Vanadium	**15**		mg/Kg	0.97	0.050	0.97	338460	04/22/24	04/23/24	SBW
Zinc	**35**		mg/Kg	4.9	0.23	0.97	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.042	1.2	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	9.9		0.99	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**27**		mg/Kg	9.9	3.4	0.99	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**30**		mg/Kg	20	3.4	0.99	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	86%		%REC	70-130		0.99	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 506597

506597-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	62%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	48%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	62%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.0	0.9	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.0	0.8	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.0	1.1	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.0	2.5	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.0	0.8	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	32	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.0	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	20		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.1	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.0	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.3	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.0	2.5	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.0	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.0	1.2	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.0	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.0	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.0	1.1	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.6	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.0	0.9	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.4	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.7	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.0	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.0	1.0	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.0	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.2	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.0	0.3	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.0	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	98%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	**11**	J	ug/Kg	40	6.1	4	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	**22**	J	ug/Kg	40	6.0	4	338434	04/22/24	04/23/24	DJL
Naphthalene	**45**		ug/Kg	40	14	4	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**7.3**	J	ug/Kg	40	6.3	4	338434	04/22/24	04/23/24	DJL
Acenaphthene	**20**	J	ug/Kg	40	4.1	4	338434	04/22/24	04/23/24	DJL
Fluorene	**9.7**	J	ug/Kg	40	5.0	4	338434	04/22/24	04/23/24	DJL
Phenanthrene	**26**	J	ug/Kg	40	8.8	4	338434	04/22/24	04/23/24	DJL
Anthracene	**20**	J	ug/Kg	40	5.6	4	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**19**	J	ug/Kg	40	13	4	338434	04/22/24	04/23/24	DJL
Pyrene	ND		ug/Kg	40	14	4	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**4.6**	J	ug/Kg	40	4.3	4	338434	04/22/24	04/23/24	DJL
Chrysene	**11**	J	ug/Kg	40	3.8	4	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**45**		ug/Kg	40	3.7	4	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**12**	J	ug/Kg	40	4.2	4	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**6.1**	J	ug/Kg	40	5.3	4	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**12**	J	ug/Kg	40	6.1	4	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	40	11	4	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**17**	J	ug/Kg	40	6.6	4	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	92%		%REC	27-125		4	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	91%		%REC	30-120		4	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	83%		%REC	33-155		4	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

Sample ID: GRB 6	Lab ID: 506597-006	Collected: 04/17/24 11:39
	Matrix: Soil	Basis: Dry

506597-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**7**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	0.92	0.97	338460	04/22/24	04/23/24	SBW
Arsenic	**7.0**		mg/Kg	1.0	0.26	0.97	338460	04/22/24	04/23/24	SBW
Barium	**100**		mg/Kg	1.0	0.083	0.97	338460	04/22/24	04/23/24	SBW
Beryllium	**0.17**	J	mg/Kg	0.52	0.0066	0.97	338460	04/22/24	04/23/24	SBW
Cadmium	**0.13**	J	mg/Kg	0.52	0.038	0.97	338460	04/22/24	04/23/24	SBW
Chromium	**24**		mg/Kg	1.0	0.24	0.97	338460	04/22/24	04/23/24	SBW
Cobalt	**6.4**		mg/Kg	0.52	0.23	0.97	338460	04/22/24	04/23/24	SBW
Copper	**40**		mg/Kg	1.0	0.15	0.97	338460	04/22/24	04/23/24	SBW
Lead	**4.8**		mg/Kg	1.0	0.27	0.97	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.67**	J	mg/Kg	1.0	0.12	0.97	338460	04/22/24	04/23/24	SBW
Nickel	**35**		mg/Kg	1.0	0.12	0.97	338460	04/22/24	04/23/24	SBW
Selenium	**0.94**	J	mg/Kg	3.1	0.56	0.97	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.52	0.065	0.97	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.1	0.35	0.97	338460	04/22/24	04/23/24	SBW
Vanadium	**47**		mg/Kg	1.0	0.054	0.97	338460	04/22/24	04/23/24	SBW
Zinc	**50**		mg/Kg	5.2	0.25	0.97	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.24**		mg/Kg	0.17	0.042	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	210		20	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**630**		mg/Kg	210	74	20	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**540**		mg/Kg	430	74	20	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		20	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	27	5.4	5.1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	27	7.6	5.1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	27	5.6	5.1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	27	6.7	5.1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	27	9.3	5.1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	27	7.4	5.1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	27	9.2	5.1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	27	7.7	5.1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	27	8.4	5.1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	27	8.0	5.1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	27	9.1	5.1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	27	9.1	5.1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	27	11	5.1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	27	5.1	5.1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 506597

506597-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	27	6.5	5.1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	27	8.2	5.1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	27	9.4	5.1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	55	13	5.1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	550	170	5.1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	270	50	5.1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		5.1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	52%		%REC	24-120		5.1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	110	32	2	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	110	50	2	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	110	41	2	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	110	39	2	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	110	46	2	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	110	14	2	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	110	54	2	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	110	36	2	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	110	30	2	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	103%		%REC	19-121		2	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.4	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.4	0.9	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.4	1.2	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.4	2.6	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.4	0.9	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	110	34	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.4	0.8	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	22		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.4	1.2	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.4	1.0	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	110	4.6	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.4	0.9	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.4	2.7	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.4	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.4	1.4	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.4	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.4	1.3	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.4	0.6	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.4	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.4	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.4	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.4	1.7	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.4	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.4	1.6	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.4	0.7	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.4	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.4	0.7	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.4	0.8	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.4	0.7	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	11	0.9	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.4	1.1	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.4	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.4	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.4	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.4	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.4	0.5	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.4	1.3	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.4	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.4	0.7	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.4	1.3	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.4	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	99%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	105%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	2,200	330	200	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	2,200	330	200	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	2,200	780	200	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	2,200	340	200	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	2,200	220	200	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	2,200	270	200	338434	04/22/24	04/23/24	DJL
Phenanthrene	ND		ug/Kg	2,200	480	200	338434	04/22/24	04/23/24	DJL
Anthracene	ND		ug/Kg	2,200	300	200	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	ND		ug/Kg	2,200	730	200	338434	04/22/24	04/23/24	DJL
Pyrene	ND		ug/Kg	2,200	790	200	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	ND		ug/Kg	2,200	230	200	338434	04/22/24	04/23/24	DJL
Chrysene	ND		ug/Kg	2,200	210	200	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	ND		ug/Kg	2,200	200	200	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	ND		ug/Kg	2,200	230	200	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	ND		ug/Kg	2,200	290	200	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	2,200	330	200	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	2,200	610	200	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	ND		ug/Kg	2,200	360	200	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	59%		%REC	27-125		200	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	96%		%REC	30-120		200	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	144%		%REC	33-155		200	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

Sample ID: GRB 7	Lab ID: 506597-007	Collected: 04/17/24 11:57
	Matrix: Soil	Basis: Dry

506597-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**3**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.89	0.98	338460	04/22/24	04/23/24	SBW
Arsenic	**5.5**		mg/Kg	1.0	0.26	0.98	338460	04/22/24	04/23/24	SBW
Barium	**18**		mg/Kg	1.0	0.080	0.98	338460	04/22/24	04/23/24	SBW
Beryllium	**0.13**	J	mg/Kg	0.51	0.0063	0.98	338460	04/22/24	04/23/24	SBW
Cadmium	**0.10**	J	mg/Kg	0.51	0.037	0.98	338460	04/22/24	04/23/24	SBW
Chromium	**30**		mg/Kg	1.0	0.23	0.98	338460	04/22/24	04/23/24	SBW
Cobalt	**5.2**		mg/Kg	0.51	0.22	0.98	338460	04/22/24	04/23/24	SBW
Copper	**30**		mg/Kg	1.0	0.14	0.98	338460	04/22/24	04/23/24	SBW
Lead	**7.0**		mg/Kg	1.0	0.26	0.98	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.78**	J	mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Nickel	**25**		mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Selenium	**0.86**	J	mg/Kg	3.0	0.55	0.98	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.51	0.062	0.98	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.34	0.98	338460	04/22/24	04/23/24	SBW
Vanadium	**31**		mg/Kg	1.0	0.052	0.98	338460	04/22/24	04/23/24	SBW
Zinc	**17**		mg/Kg	5.1	0.24	0.98	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.052**	J	mg/Kg	0.16	0.039	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**11**		mg/Kg	10	3.6	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**10**	J	mg/Kg	21	3.6	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	88%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.2	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.2	1.1	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.2	1.3	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.2	1.8	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.2	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.2	1.8	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.2	1.5	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.2	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.2	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.2	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.2	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.2	2.2	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.2	0.97	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.2	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.2	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.4	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	52	9.5	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	77%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	59%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	52	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	52	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	52	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	52	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	52	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	52	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	52	24	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	52	14	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	52	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	77%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.2	2.5	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	33	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	21		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.4	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.2	2.6	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.2	1.7	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.2	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	100%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	98%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	21	3.1	2	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	21	3.1	2	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	21	7.4	2	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**15**	J	ug/Kg	21	3.3	2	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	21	2.1	2	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	21	2.6	2	338434	04/22/24	04/23/24	DJL
Phenanthrene	**5.8**	J	ug/Kg	21	4.5	2	338434	04/22/24	04/23/24	DJL
Anthracene	**40**		ug/Kg	21	2.9	2	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**19**	J	ug/Kg	21	6.9	2	338434	04/22/24	04/23/24	DJL
Pyrene	**20**	J	ug/Kg	21	7.5	2	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**6.5**	J	ug/Kg	21	2.2	2	338434	04/22/24	04/23/24	DJL
Chrysene	**13**	J	ug/Kg	21	2.0	2	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**46**		ug/Kg	21	1.9	2	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**11**	J	ug/Kg	21	2.2	2	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**30**		ug/Kg	21	2.8	2	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**43**		ug/Kg	21	3.2	2	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	**6.5**	J	ug/Kg	21	5.8	2	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**43**		ug/Kg	21	3.4	2	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	59%		%REC	27-125		2	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	74%		%REC	30-120		2	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	80%		%REC	33-155		2	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 8	Lab ID: 506597-008	Collected: 04/17/24 11:59
	Matrix: Soil	Basis: Dry

506597-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.84	0.95	338460	04/22/24	04/23/24	SBW
Arsenic	**2.0**		mg/Kg	0.95	0.24	0.95	338460	04/22/24	04/23/24	SBW
Barium	**49**		mg/Kg	0.95	0.076	0.95	338460	04/22/24	04/23/24	SBW
Beryllium	**0.10**	J	mg/Kg	0.48	0.0060	0.95	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.48	0.035	0.95	338460	04/22/24	04/23/24	SBW
Chromium	**15**		mg/Kg	0.95	0.22	0.95	338460	04/22/24	04/23/24	SBW
Cobalt	**6.5**		mg/Kg	0.48	0.21	0.95	338460	04/22/24	04/23/24	SBW
Copper	**50**		mg/Kg	0.95	0.13	0.95	338460	04/22/24	04/23/24	SBW
Lead	**8.0**		mg/Kg	0.95	0.25	0.95	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.34**	J	mg/Kg	0.95	0.11	0.95	338460	04/22/24	04/23/24	SBW
Nickel	**7.7**		mg/Kg	0.95	0.11	0.95	338460	04/22/24	04/23/24	SBW
Selenium	**0.93**	J	mg/Kg	2.9	0.51	0.95	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.48	0.059	0.95	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.32	0.95	338460	04/22/24	04/23/24	SBW
Vanadium	**70**		mg/Kg	0.95	0.049	0.95	338460	04/22/24	04/23/24	SBW
Zinc	**24**		mg/Kg	4.8	0.22	0.95	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.091**	J	mg/Kg	0.16	0.039	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**7.9**	J	mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**9.1**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	98%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.0	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	31	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	53%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	39%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	50	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	50	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	50	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	50	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	50	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	50	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	50	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	50	14	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	52%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	180	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,000	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	64	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,000	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	98	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	51	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	500	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	72	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	99%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	**3.0**	J	ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	9.9	3.6	0.99	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	9.9	1.6	0.99	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	9.9	1.0	0.99	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	9.9	1.2	0.99	338434	04/22/24	04/23/24	DJL
Phenanthrene	**4.6**	J	ug/Kg	9.9	2.2	0.99	338434	04/22/24	04/23/24	DJL
Anthracene	**3.5**	J	ug/Kg	9.9	1.4	0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**4.9**	J	ug/Kg	9.9	3.3	0.99	338434	04/22/24	04/23/24	DJL
Pyrene	**6.9**	J	ug/Kg	9.9	3.6	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**1.8**	J	ug/Kg	9.9	1.1	0.99	338434	04/22/24	04/23/24	DJL
Chrysene	**3.4**	J	ug/Kg	9.9	0.95	0.99	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**6.8**	J	ug/Kg	9.9	0.92	0.99	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**1.9**	J	ug/Kg	9.9	1.0	0.99	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**2.4**	J	ug/Kg	9.9	1.3	0.99	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**3.7**	J	ug/Kg	9.9	1.5	0.99	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	2.8	0.99	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**6.9**	J	ug/Kg	9.9	1.6	0.99	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	63%		%REC	27-125		0.99	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	67%		%REC	30-120		0.99	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	67%		%REC	33-155		0.99	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 9	Lab ID: 506597-009	Collected: 04/17/24 12:04
	Matrix: Soil	Basis: Dry

506597-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**5**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	0.91	0.98	338460	04/22/24	04/23/24	SBW
Arsenic	**3.4**		mg/Kg	1.0	0.26	0.98	338460	04/22/24	04/23/24	SBW
Barium	**15**		mg/Kg	1.0	0.082	0.98	338460	04/22/24	04/23/24	SBW
Beryllium	**0.097**	J	mg/Kg	0.52	0.0065	0.98	338460	04/22/24	04/23/24	SBW
Cadmium	**0.079**	J	mg/Kg	0.52	0.038	0.98	338460	04/22/24	04/23/24	SBW
Chromium	**18**		mg/Kg	1.0	0.23	0.98	338460	04/22/24	04/23/24	SBW
Cobalt	**2.5**		mg/Kg	0.52	0.23	0.98	338460	04/22/24	04/23/24	SBW
Copper	**9.5**		mg/Kg	1.0	0.15	0.98	338460	04/22/24	04/23/24	SBW
Lead	**4.9**		mg/Kg	1.0	0.27	0.98	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.30**	J	mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Nickel	**12**		mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Selenium	ND		mg/Kg	3.1	0.56	0.98	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.52	0.064	0.98	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.1	0.35	0.98	338460	04/22/24	04/23/24	SBW
Vanadium	**22**		mg/Kg	1.0	0.053	0.98	338460	04/22/24	04/23/24	SBW
Zinc	**13**		mg/Kg	5.2	0.24	0.98	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.071**	J	mg/Kg	0.17	0.042	1.2	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**6.7**	J	mg/Kg	10	3.6	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**6.5**	J	mg/Kg	21	3.6	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	89%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	1.0	0.98	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.2	1.4	0.98	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.2	1.0	0.98	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.2	1.3	0.98	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.2	1.8	0.98	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.2	1.4	0.98	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.2	1.7	0.98	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.2	1.5	0.98	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.2	1.6	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.2	1.5	0.98	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.2	1.7	0.98	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.2	1.7	0.98	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.2	2.1	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.2	0.96	0.98	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	1.2	0.98	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.2	1.5	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.2	1.8	0.98	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.4	0.98	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	0.98	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	52	9.4	0.98	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	82%		%REC	23-120		0.98	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	68%		%REC	24-120		0.98	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	52	13	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	52	11	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	52	11	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	52	17	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	52	17	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	52	16	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	52	24	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	52	13	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	52	15	0.98	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	98%		%REC	19-121		0.98	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.3	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.3	0.9	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.3	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.3	1.2	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.3	2.6	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.3	0.9	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	110	33	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.3	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	21		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.3	1.1	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.3	1.2	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.3	1.0	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	110	4.5	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.3	2.6	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.3	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.3	1.4	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.3	1.3	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.3	1.1	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.3	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.3	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.3	1.7	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.3	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.3	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.3	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.3	0.7	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.3	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.3	0.7	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.3	0.7	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	11	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.3	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.3	1.1	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.3	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.3	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.3	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.3	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.3	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.3	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.3	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.3	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.3	0.7	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.3	1.3	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.3	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	98%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	110	16	10	338434	04/22/24	04/25/24	DJL
2-Methylnaphthalene	ND		ug/Kg	110	16	10	338434	04/22/24	04/25/24	DJL
Naphthalene	ND		ug/Kg	110	38	10	338434	04/22/24	04/25/24	DJL
Acenaphthylene	ND		ug/Kg	110	17	10	338434	04/22/24	04/25/24	DJL
Acenaphthene	**18**	J	ug/Kg	110	11	10	338434	04/22/24	04/25/24	DJL
Fluorene	**23**	J	ug/Kg	110	13	10	338434	04/22/24	04/25/24	DJL
Phenanthrene	**220**		ug/Kg	110	23	10	338434	04/22/24	04/25/24	DJL
Anthracene	**130**		ug/Kg	110	15	10	338434	04/22/24	04/25/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**750**		ug/Kg	110	35	10	338434	04/22/24	04/25/24	DJL
Pyrene	**900**		ug/Kg	110	38	10	338434	04/22/24	04/25/24	DJL
Benzo(a)anthracene	**400**		ug/Kg	110	11	10	338434	04/22/24	04/25/24	DJL
Chrysene	**750**		ug/Kg	110	10	10	338434	04/22/24	04/25/24	DJL
Benzo(b)fluoranthene	**600**		ug/Kg	110	9.8	10	338434	04/22/24	04/25/24	DJL
Benzo(k)fluoranthene	**240**		ug/Kg	110	11	10	338434	04/22/24	04/25/24	DJL
Benzo(a)pyrene	**220**		ug/Kg	110	14	10	338434	04/22/24	04/25/24	DJL
Indeno(1,2,3-cd)pyrene	**180**		ug/Kg	110	16	10	338434	04/22/24	04/25/24	DJL
Dibenz(a,h)anthracene	**36**	J	ug/Kg	110	30	10	338434	04/22/24	04/25/24	DJL
Benzo(g,h,i)perylene	**200**		ug/Kg	53	8.7	5	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	77%		%REC	27-125		10	338434	04/22/24	04/25/24	DJL
2-Fluorobiphenyl	84%		%REC	30-120		10	338434	04/22/24	04/25/24	DJL
Terphenyl-d14	84%		%REC	33-155		10	338434	04/22/24	04/25/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 10	Lab ID: 506597-010	Collected: 04/17/24 12:07
	Matrix: Soil	Basis: Dry

506597-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.87	0.98	338460	04/22/24	04/23/24	SBW
Arsenic	**5.6**		mg/Kg	0.99	0.25	0.98	338460	04/22/24	04/23/24	SBW
Barium	**35**		mg/Kg	0.99	0.079	0.98	338460	04/22/24	04/23/24	SBW
Beryllium	**0.079**	J	mg/Kg	0.50	0.0062	0.98	338460	04/22/24	04/23/24	SBW
Cadmium	**0.083**	J	mg/Kg	0.50	0.036	0.98	338460	04/22/24	04/23/24	SBW
Chromium	**24**		mg/Kg	0.99	0.23	0.98	338460	04/22/24	04/23/24	SBW
Cobalt	**11**		mg/Kg	0.50	0.22	0.98	338460	04/22/24	04/23/24	SBW
Copper	**64**		mg/Kg	0.99	0.14	0.98	338460	04/22/24	04/23/24	SBW
Lead	**40**		mg/Kg	0.99	0.26	0.98	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.76**	J	mg/Kg	0.99	0.11	0.98	338460	04/22/24	04/23/24	SBW
Nickel	**15**		mg/Kg	0.99	0.12	0.98	338460	04/22/24	04/23/24	SBW
Selenium	**1.3**	J	mg/Kg	3.0	0.54	0.98	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.50	0.061	0.98	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.33	0.98	338460	04/22/24	04/23/24	SBW
Vanadium	**95**		mg/Kg	0.99	0.051	0.98	338460	04/22/24	04/23/24	SBW
Zinc	**34**		mg/Kg	5.0	0.23	0.98	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.098**	J	mg/Kg	0.15	0.037	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**8.1**	J	mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**7.9**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	89%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	0.99	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.0	1.4	0.99	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.0	1.2	0.99	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.0	1.7	0.99	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.0	1.4	0.99	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.0	1.5	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.0	1.5	0.99	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.0	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.0	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.0	0.93	0.99	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.0	1.2	0.99	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.0	1.5	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	0.99	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	0.99	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	31	0.99	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	50	9.1	0.99	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	99%		%REC	23-120		0.99	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	93%		%REC	24-120		0.99	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	50	11	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	50	11	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	50	16	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	50	17	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	50	16	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	50	23	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	50	13	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	50	14	0.99	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	114%		%REC	19-121		0.99	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	100	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,100	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	65	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	50	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,100	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	79	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	86	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	34	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	510	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	53	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	99%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	**2.7**	J	ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Naphthalene	**6.6**	J	ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	**11**		ug/Kg	10	2.2	1	338434	04/22/24	04/23/24	DJL
Anthracene	**5.9**	J	ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**17**		ug/Kg	10	3.4	1	338434	04/22/24	04/23/24	DJL
Pyrene	**9.5**	J	ug/Kg	10	3.7	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**3.3**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Chrysene	**7.8**	J	ug/Kg	10	0.98	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**12**		ug/Kg	10	0.94	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**3.1**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**3.0**	J	ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**5.3**	J	ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**7.0**	J	ug/Kg	10	1.7	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	46%		%REC	27-125		1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	45%		%REC	30-120		1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	49%		%REC	33-155		1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

Sample ID: GRB 11	Lab ID: 506597-011	Collected: 04/17/24 12:14
	Matrix: Soil	Basis: Dry

506597-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**1**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.85	0.95	338460	04/22/24	04/23/24	SBW
Arsenic	**4.8**		mg/Kg	0.96	0.24	0.95	338460	04/22/24	04/23/24	SBW
Barium	**18**		mg/Kg	0.96	0.077	0.95	338460	04/22/24	04/23/24	SBW
Beryllium	**0.10**	J	mg/Kg	0.48	0.0060	0.95	338460	04/22/24	04/23/24	SBW
Cadmium	**0.15**	J	mg/Kg	0.48	0.035	0.95	338460	04/22/24	04/23/24	SBW
Chromium	**26**		mg/Kg	0.96	0.22	0.95	338460	04/22/24	04/23/24	SBW
Cobalt	**4.9**		mg/Kg	0.48	0.21	0.95	338460	04/22/24	04/23/24	SBW
Copper	**47**		mg/Kg	0.96	0.14	0.95	338460	04/22/24	04/23/24	SBW
Lead	**25**		mg/Kg	0.96	0.25	0.95	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.94**	J	mg/Kg	0.96	0.11	0.95	338460	04/22/24	04/23/24	SBW
Nickel	**22**		mg/Kg	0.96	0.11	0.95	338460	04/22/24	04/23/24	SBW
Selenium	**0.80**	J	mg/Kg	2.9	0.52	0.95	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.48	0.059	0.95	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.32	0.95	338460	04/22/24	04/23/24	SBW
Vanadium	**29**		mg/Kg	0.96	0.050	0.95	338460	04/22/24	04/23/24	SBW
Zinc	**26**		mg/Kg	4.8	0.23	0.95	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.067**	J	mg/Kg	0.15	0.037	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**21**		mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**12**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	91%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	76%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	63%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	79%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	32	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	20		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.1	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.3	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1.6	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.1	0.9	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	102%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	97%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	103%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	20	3.1	2	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	**3.2**	J	ug/Kg	20	3.1	2	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	20	7.3	2	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**14**	J	ug/Kg	20	3.2	2	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	20	2.1	2	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	20	2.5	2	338434	04/22/24	04/23/24	DJL
Phenanthrene	**6.7**	J	ug/Kg	20	4.5	2	338434	04/22/24	04/23/24	DJL
Anthracene	**31**		ug/Kg	20	2.8	2	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**20**	J	ug/Kg	20	6.8	2	338434	04/22/24	04/23/24	DJL
Pyrene	**26**		ug/Kg	20	7.4	2	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**15**	J	ug/Kg	20	2.2	2	338434	04/22/24	04/23/24	DJL
Chrysene	**18**	J	ug/Kg	20	2.0	2	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**60**		ug/Kg	20	1.9	2	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**19**	J	ug/Kg	20	2.1	2	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**36**		ug/Kg	20	2.7	2	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**74**		ug/Kg	20	3.1	2	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	**11**	J	ug/Kg	20	5.7	2	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**120**		ug/Kg	20	3.4	2	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	65%		%REC	27-125		2	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	74%		%REC	30-120		2	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	78%		%REC	33-155		2	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 12	Lab ID: 506597-012	Collected: 04/17/24 12:35
	Matrix: Soil	Basis: Dry

506597-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**4**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	0.90	0.98	338460	04/22/24	04/23/24	SBW
Arsenic	**2.5**		mg/Kg	1.0	0.26	0.98	338460	04/22/24	04/23/24	SBW
Barium	**19**		mg/Kg	1.0	0.081	0.98	338460	04/22/24	04/23/24	SBW
Beryllium	**0.094**	J	mg/Kg	0.51	0.0064	0.98	338460	04/22/24	04/23/24	SBW
Cadmium	**0.11**	J	mg/Kg	0.51	0.037	0.98	338460	04/22/24	04/23/24	SBW
Chromium	**9.4**		mg/Kg	1.0	0.23	0.98	338460	04/22/24	04/23/24	SBW
Cobalt	**1.6**		mg/Kg	0.51	0.23	0.98	338460	04/22/24	04/23/24	SBW
Copper	**11**		mg/Kg	1.0	0.14	0.98	338460	04/22/24	04/23/24	SBW
Lead	**15**		mg/Kg	1.0	0.27	0.98	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.25**	J	mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Nickel	**5.8**		mg/Kg	1.0	0.12	0.98	338460	04/22/24	04/23/24	SBW
Selenium	ND		mg/Kg	3.1	0.55	0.98	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.51	0.063	0.98	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.1	0.34	0.98	338460	04/22/24	04/23/24	SBW
Vanadium	**12**		mg/Kg	1.0	0.053	0.98	338460	04/22/24	04/23/24	SBW
Zinc	**26**		mg/Kg	5.1	0.24	0.98	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.075**	J	mg/Kg	0.16	0.039	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		0.99	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**12**		mg/Kg	10	3.6	0.99	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**11**	J	mg/Kg	21	3.6	0.99	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	75%		%REC	70-130		0.99	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.3	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.3	1.1	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.3	1.3	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.3	1.8	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.3	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.3	1.8	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.3	1.5	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.3	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.3	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.3	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.3	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.3	2.2	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.3	0.98	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.3	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.3	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.3	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	11	2.4	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	110	33	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	53	9.6	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	82%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	60%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	53	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	53	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	53	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	53	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	53	18	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	53	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	53	24	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	53	14	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	53	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	82%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.2	2.6	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	33	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	21		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.2	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.5	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.2	2.6	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.2	1.7	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.2	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.2	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.2	1.1	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.2	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.2	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.2	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.2	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.2	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.2	0.7	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.2	1.3	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.2	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	99%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	100%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	105%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	52	7.9	5	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	52	7.9	5	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	52	19	5	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**52**	J	ug/Kg	52	8.3	5	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	52	5.4	5	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	52	6.5	5	338434	04/22/24	04/23/24	DJL
Phenanthrene	**29**	J	ug/Kg	52	11	5	338434	04/22/24	04/23/24	DJL
Anthracene	**86**		ug/Kg	52	7.3	5	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**88**		ug/Kg	52	18	5	338434	04/22/24	04/23/24	DJL
Pyrene	**75**		ug/Kg	52	19	5	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**27**	J	ug/Kg	52	5.6	5	338434	04/22/24	04/23/24	DJL
Chrysene	**47**	J	ug/Kg	52	5.0	5	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**120**		ug/Kg	52	4.8	5	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**35**	J	ug/Kg	52	5.5	5	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**43**	J	ug/Kg	52	7.0	5	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**93**		ug/Kg	52	8.0	5	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	**20**	J	ug/Kg	52	15	5	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**140**		ug/Kg	52	8.6	5	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	74%		%REC	27-125		5	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	81%		%REC	30-120		5	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	78%		%REC	33-155		5	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 13	Lab ID: 506597-013	Collected: 04/17/24 12:37
	Matrix: Soil	Basis: Dry

506597-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**2**		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.89	0.99	338460	04/22/24	04/23/24	SBW
Arsenic	**1.8**		mg/Kg	1.0	0.26	0.99	338460	04/22/24	04/23/24	SBW
Barium	**12**		mg/Kg	1.0	0.080	0.99	338460	04/22/24	04/23/24	SBW
Beryllium	**0.077**	J	mg/Kg	0.51	0.0063	0.99	338460	04/22/24	04/23/24	SBW
Cadmium	**0.17**	J	mg/Kg	0.51	0.037	0.99	338460	04/22/24	04/23/24	SBW
Chromium	**5.8**		mg/Kg	1.0	0.23	0.99	338460	04/22/24	04/23/24	SBW
Cobalt	**0.84**		mg/Kg	0.51	0.22	0.99	338460	04/22/24	04/23/24	SBW
Copper	**4.7**		mg/Kg	1.0	0.14	0.99	338460	04/22/24	04/23/24	SBW
Lead	**5.5**		mg/Kg	1.0	0.26	0.99	338460	04/22/24	04/23/24	SBW
Molybdenum	ND		mg/Kg	1.0	0.12	0.99	338460	04/22/24	04/23/24	SBW
Nickel	**4.2**		mg/Kg	1.0	0.12	0.99	338460	04/22/24	04/23/24	SBW
Selenium	ND		mg/Kg	3.0	0.55	0.99	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.51	0.062	0.99	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.34	0.99	338460	04/22/24	04/23/24	SBW
Vanadium	**6.4**		mg/Kg	1.0	0.052	0.99	338460	04/22/24	04/23/24	SBW
Zinc	**14**		mg/Kg	5.1	0.24	0.99	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.050**	J	mg/Kg	0.16	0.039	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**7.1**	J	mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**8.0**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	89%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	0.99	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	0.99	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	0.99	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	0.99	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	0.99	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	0.99	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	0.99	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.5	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	0.99	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	0.99	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.94	0.99	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	0.99	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	0.99	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.7	0.99	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	0.99	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	31	0.99	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	**19**	J	ug/Kg	51	9.2	0.99	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	80%		%REC	23-120		0.99	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	83%		%REC	24-120		0.99	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	0.99	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	0.99	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	106%		%REC	19-121		0.99	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	100	32	1	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	20		1	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	5.1	0.9	1	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	100	4.4	1	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	5.1	2.5	1	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1.6	1	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1.1	1	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1.5	1	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	0.7	1	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	10	0.8	1	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	5.1	1.0	1	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1.3	1	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	5.1	0.5	1	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	5.1	0.3	1	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	5.1	0.4	1	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	5.1	0.6	1	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	5.1	1.2	1	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	0.8	1	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	98%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Toluene-d8	101%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	104%		%REC	70-145		1	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	**11**		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	**5.1**	J	ug/Kg	10	2.2	1	338434	04/22/24	04/23/24	DJL
Anthracene	**34**		ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**10**		ug/Kg	10	3.4	1	338434	04/22/24	04/23/24	DJL
Pyrene	**9.2**	J	ug/Kg	10	3.7	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**6.5**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Chrysene	**7.1**	J	ug/Kg	10	0.98	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**92**		ug/Kg	10	0.94	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**48**		ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**27**		ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**35**		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	**7.1**	J	ug/Kg	10	2.9	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**26**		ug/Kg	10	1.7	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	81%		%REC	27-125		1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	85%		%REC	30-120		1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	79%		%REC	33-155		1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 14	Lab ID: 506597-014	Collected: 04/17/24 12:53
	Matrix: Soil	Basis: Dry

506597-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.88	0.99	338460	04/22/24	04/23/24	SBW
Arsenic	**2.4**		mg/Kg	1.0	0.25	0.99	338460	04/22/24	04/23/24	SBW
Barium	**49**		mg/Kg	1.0	0.080	0.99	338460	04/22/24	04/23/24	SBW
Beryllium	**0.079**	J	mg/Kg	0.50	0.0063	0.99	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.50	0.036	0.99	338460	04/22/24	04/23/24	SBW
Chromium	**9.0**		mg/Kg	1.0	0.23	0.99	338460	04/22/24	04/23/24	SBW
Cobalt	**9.6**		mg/Kg	0.50	0.22	0.99	338460	04/22/24	04/23/24	SBW
Copper	**47**		mg/Kg	1.0	0.14	0.99	338460	04/22/24	04/23/24	SBW
Lead	**6.0**		mg/Kg	1.0	0.26	0.99	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.28**	J	mg/Kg	1.0	0.11	0.99	338460	04/22/24	04/23/24	SBW
Nickel	**5.4**		mg/Kg	1.0	0.12	0.99	338460	04/22/24	04/23/24	SBW
Selenium	**1.2**	J	mg/Kg	3.0	0.54	0.99	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.50	0.062	0.99	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.34	0.99	338460	04/22/24	04/23/24	SBW
Vanadium	**82**		mg/Kg	1.0	0.051	0.99	338460	04/22/24	04/23/24	SBW
Zinc	**33**		mg/Kg	5.0	0.23	0.99	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.092**	J	mg/Kg	0.16	0.040	1.1	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338396	04/22/24	04/23/24	KMB
DRO C10-C28	**12**		mg/Kg	10	3.5	1	338396	04/22/24	04/23/24	KMB
ORO C28-C44	**15**	J	mg/Kg	20	3.5	1	338396	04/22/24	04/23/24	KMB
Surrogates				**Limits**						
n-Triacontane	93%		%REC	70-130		1	338396	04/22/24	04/23/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	**2.1**	J	ug/Kg	5.1	1.8	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.3	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	63%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	52%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	19	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	18	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	22	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	6.7	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	25	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	14	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	96%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	100	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,100	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	65	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	50	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,100	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	79	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	86	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	34	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	510	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	53	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	101%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	ND		ug/Kg	10	2.2	1	338434	04/22/24	04/23/24	DJL
Anthracene	**2.3**	J	ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

506597-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	ND		ug/Kg	10	3.4	1	338434	04/22/24	04/23/24	DJL
Pyrene	ND		ug/Kg	10	3.7	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**1.2**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Chrysene	**2.4**	J	ug/Kg	10	0.98	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**4.2**	J	ug/Kg	10	0.94	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**1.2**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**2.1**	J	ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**2.9**	J	ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**5.3**	J	ug/Kg	10	1.7	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	62%		%REC	27-125		1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	67%		%REC	30-120		1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	68%		%REC	33-155		1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 15	Lab ID: 506597-015	Collected: 04/17/24 12:55
	Matrix: Soil	Basis: Dry

506597-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	ND		%	1		1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.84	0.95	338460	04/22/24	04/23/24	SBW
Arsenic	**1.0**		mg/Kg	0.95	0.24	0.95	338460	04/22/24	04/23/24	SBW
Barium	**45**		mg/Kg	0.95	0.076	0.95	338460	04/22/24	04/23/24	SBW
Beryllium	**0.088**	J	mg/Kg	0.48	0.0060	0.95	338460	04/22/24	04/23/24	SBW
Cadmium	ND		mg/Kg	0.48	0.035	0.95	338460	04/22/24	04/23/24	SBW
Chromium	**8.2**		mg/Kg	0.95	0.22	0.95	338460	04/22/24	04/23/24	SBW
Cobalt	**8.8**		mg/Kg	0.48	0.21	0.95	338460	04/22/24	04/23/24	SBW
Copper	**55**		mg/Kg	0.95	0.13	0.95	338460	04/22/24	04/23/24	SBW
Lead	**5.4**		mg/Kg	0.95	0.25	0.95	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.34**	J	mg/Kg	0.95	0.11	0.95	338460	04/22/24	04/23/24	SBW
Nickel	**3.3**		mg/Kg	0.95	0.11	0.95	338460	04/22/24	04/23/24	SBW
Selenium	**1.3**	J	mg/Kg	2.9	0.51	0.95	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.48	0.059	0.95	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	2.9	0.32	0.95	338460	04/22/24	04/23/24	SBW
Vanadium	**110**		mg/Kg	0.95	0.049	0.95	338460	04/22/24	04/23/24	SBW
Zinc	**33**		mg/Kg	4.8	0.22	0.95	338460	04/22/24	04/23/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.077**	J	mg/Kg	0.16	0.040	1.2	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	39		3.9	338680	04/25/24	04/25/24	KMB
DRO C10-C28	ND		mg/Kg	39	14	3.9	338680	04/25/24	04/25/24	KMB
ORO C28-C44	ND		mg/Kg	79	14	3.9	338680	04/25/24	04/25/24	KMB
Surrogates				**Limits**						
n-Triacontane	103%		%REC	70-130		3.9	338680	04/25/24	04/25/24	KMB
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.94	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.2	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.7	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	31	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	51	9.2	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	54%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	40%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	51%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	180	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	99	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,000	1,900	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	64	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,000	280	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	78	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	68	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	98	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	55	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	51	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	500	120	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	43	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	72	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	40	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	52	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	42	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	56	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Toluene-d8	98%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	100%		%REC	70-145		50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.0	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.2	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	ND		ug/Kg	10	2.2	1	338434	04/22/24	04/23/24	DJL
Anthracene	ND		ug/Kg	10	1.4	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Fluoranthene	**3.4**	J	ug/Kg	10	3.4	1	338434	04/22/24	04/23/24	DJL
Pyrene	**3.9**	J	ug/Kg	10	3.6	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**1.4**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Chrysene	**2.6**	J	ug/Kg	10	0.96	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	10	0.93	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**1.3**	J	ug/Kg	10	1.1	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**2.3**	J	ug/Kg	10	1.3	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**3.0**	J	ug/Kg	10	1.5	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**6.1**	J	ug/Kg	10	1.7	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**						
Nitrobenzene-d5	51%		%REC	27-125		1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	52%		%REC	30-120		1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	68%		%REC	33-155		1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506597

Sample ID: GRB 16	Lab ID: 506597-016	Collected: 04/17/24 12:59

506597-016 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD												
Moisture, Percent	ND		%	1			Soil	1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B												
Antimony	ND		mg/Kg	3.0	0.89	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Arsenic	**1.7**		mg/Kg	1.0	0.26	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Barium	**71**		mg/Kg	1.0	0.080	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Beryllium	**0.061**	J	mg/Kg	0.51	0.0063	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Cadmium	**0.68**		mg/Kg	0.51	0.037	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Chromium	**61**		mg/Kg	1.0	0.23	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Cobalt	**12**		mg/Kg	0.51	0.22	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Copper	**140**		mg/Kg	1.0	0.14	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Lead	**33**		mg/Kg	1.0	0.26	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.52**	J	mg/Kg	1.0	0.12	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Nickel	**30**		mg/Kg	1.0	0.12	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Selenium	**1.3**	J	mg/Kg	3.0	0.55	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.51	0.062	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.34	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Vanadium	**96**		mg/Kg	1.0	0.052	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Zinc	**55**		mg/Kg	5.1	0.24	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Method: EPA 6010B Prep Method: METHOD												
Chromium	**0.15**	J	mg/L	0.30	0.0073		WET Leachate	10	339001	04/29/24	04/29/24	SBW
Method: EPA 7471A Prep Method: METHOD												
Mercury	**0.071**	J	mg/Kg	0.16	0.041	Dry	Soil	1.2	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M												
GRO C6-C12	ND		mg/Kg	10		Dry	Soil	1	338396	04/22/24	04/24/24	KMB
DRO C10-C28	**12**		mg/Kg	10	3.5	Dry	Soil	1	338396	04/22/24	04/24/24	KMB
ORO C28-C44	**13**	J	mg/Kg	20	3.5	Dry	Soil	1	338396	04/22/24	04/24/24	KMB
Surrogates				**Limits**								
n-Triacontane	107%		%REC	70-130		Dry	Soil	1	338396	04/22/24	04/24/24	KMB
Method: EPA 8081A Prep Method: EPA 3546												
alpha-BHC	ND		ug/Kg	5.1	1.0	Dry	Soil	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.1	1.4	Dry	Soil	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.1	1.0	Dry	Soil	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.1	1.2	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Heptachlor	**2.9**	J	ug/Kg	5.1	1.7	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.1	1.4	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.7	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.1	1.6	Dry	Soil	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.1	1.5	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.1	1.7	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.1	1.7	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.1	2.1	Dry	Soil	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.1	0.95	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endrin aldehyde	ND		ug/Kg	5.1	1.2	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.1	1.5	Dry	Soil	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.1	1.8	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	10	2.3	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	100	32	Dry	Soil	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-016 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	**490**		ug/Kg	51	9.3	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**								
TCMX	61%		%REC	23-120		Dry	Soil	1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	47%		%REC	24-120		Dry	Soil	1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546												
Aroclor-1016	ND		ug/Kg	51	13	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	51	11	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	51	11	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	51	16	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	51	17	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	51	16	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	51	23	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	51	13	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	51	15	Dry	Soil	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**								
Decachlorobiphenyl (PCB)	60%		%REC	19-121		Dry	Soil	1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B												
Freon 12	ND		ug/Kg	250	130	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	190	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	100	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,100	1,900	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	65	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	50	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,100	280	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	79	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	58	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	99	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	56	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
4-Methyl-2-Pentanone	ND		ug/Kg	250	86	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	58	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	34	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	42	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromoethane	ND		ug/Kg	250	31	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-016 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Ethylbenzene	ND		ug/Kg	250	55	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	510	120	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	43	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	73	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	41	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	53	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	43	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	78	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	68	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**								
Dibromofluoromethane	95%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	97%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Toluene-d8	99%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	100%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546												
1-Methylnaphthalene	ND		ug/Kg	10	1.5	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	**5.5**	J	ug/Kg	10	2.2	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Anthracene	**3.3**	J	ug/Kg	10	1.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Fluoranthene	**11**		ug/Kg	10	3.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Pyrene	**11**		ug/Kg	10	3.7	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**4.2**	J	ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Chrysene	**12**		ug/Kg	10	0.97	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**23**		ug/Kg	10	0.94	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**6.7**	J	ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**6.7**	J	ug/Kg	10	1.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**11**		ug/Kg	10	1.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**14**		ug/Kg	10	1.7	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**								
Nitrobenzene-d5	64%		%REC	27-125		Dry	Soil	1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	66%		%REC	30-120		Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	79%		%REC	33-155		Dry	Soil	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

Sample ID: GRB 17	Lab ID: 506597-017	Collected: 04/17/24 13:03

506597-017 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD												
Moisture, Percent	ND		%	1			Soil	1	338539	04/23/24	04/24/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B												
Antimony	ND		mg/Kg	3.0	0.89	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Arsenic	**2.0**		mg/Kg	1.0	0.26	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Barium	**36**		mg/Kg	1.0	0.080	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Beryllium	**0.054**	J	mg/Kg	0.51	0.0063	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Cadmium	**0.34**	J	mg/Kg	0.51	0.037	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Chromium	**12**		mg/Kg	1.0	0.23	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Cobalt	**9.8**		mg/Kg	0.51	0.22	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Copper	**70**		mg/Kg	1.0	0.14	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Lead	**53**		mg/Kg	1.0	0.26	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Molybdenum	**0.39**	J	mg/Kg	1.0	0.12	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Nickel	**8.9**		mg/Kg	1.0	0.12	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Selenium	**0.78**	J	mg/Kg	3.0	0.55	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Silver	ND		mg/Kg	0.51	0.062	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Thallium	ND		mg/Kg	3.0	0.34	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Vanadium	**74**		mg/Kg	1.0	0.052	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Zinc	**1,000**		mg/Kg	5.1	0.24	Dry	Soil	1	338460	04/22/24	04/23/24	SBW
Method: EPA 6010B Prep Method: METHOD												
Lead	**0.98**		mg/L	0.15	0.044		WET Leachate	10	339001	04/29/24	04/29/24	SBW
Method: EPA 7470A Prep Method: METHOD												
Mercury	**0.035**	J	mg/L	0.10	0.020		WET Leachate	100	338977	04/29/24	04/29/24	KAM
Method: EPA 7471A Prep Method: METHOD												
Mercury	**3.3**		mg/Kg	0.76	0.19	Dry	Soil	5.4	338476	04/23/24	04/23/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M												
GRO C6-C12	ND		mg/Kg	10		Dry	Soil	0.99	338396	04/22/24	04/24/24	KMB
DRO C10-C28	**110**		mg/Kg	10	3.5	Dry	Soil	0.99	338396	04/22/24	04/24/24	KMB
ORO C28-C44	**96**		mg/Kg	20	3.5	Dry	Soil	0.99	338396	04/22/24	04/24/24	KMB
Surrogates				**Limits**								
n-Triacontane	93%		%REC	70-130		Dry	Soil	0.99	338396	04/22/24	04/24/24	KMB
Method: EPA 8081A Prep Method: EPA 3546												
alpha-BHC	ND		ug/Kg	5.0	0.98	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.0	1.4	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.0	1.2	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.0	1.7	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.0	1.3	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.0	1.5	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.0	1.6	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.0	2.0	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.0	0.92	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.2	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-017 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Endrin ketone	ND		ug/Kg	5.0	1.5	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.0	1.7	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	9.9	2.3	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	99	31	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	50	9.0	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**								
TCMX	70%		%REC	23-120		Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	57%		%REC	24-120		Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546												
Aroclor-1016	ND		ug/Kg	50	13	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	50	11	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	50	11	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	50	16	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	50	17	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	50	15	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1260	**64**		ug/Kg	50	23	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	50	13	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	50	14	Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**								
Decachlorobiphenyl (PCB)	71%		%REC	19-121		Dry	Soil	0.98	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5030B												
Freon 12	ND		ug/Kg	250	130	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloromethane	ND		ug/Kg	250	190	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Vinyl Chloride	ND		ug/Kg	250	81	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromomethane	ND		ug/Kg	250	190	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloroethane	ND		ug/Kg	250	130	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Trichlorofluoromethane	ND		ug/Kg	250	100	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Acetone	ND		ug/Kg	5,100	1,900	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Freon 113	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethene	ND		ug/Kg	250	65	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Methylene Chloride	ND		ug/Kg	1,000		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
MTBE	ND		ug/Kg	250	66	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
trans-1,2-Dichloroethene	ND		ug/Kg	250	50	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloroethane	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2-Butanone	ND		ug/Kg	5,100	280	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2,2-Dichloropropane	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chloroform	ND		ug/Kg	250	79	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromochloromethane	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,1-Trichloroethane	ND		ug/Kg	250	58	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1-Dichloropropene	ND		ug/Kg	250	69	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Carbon Tetrachloride	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane	ND		ug/Kg	250	99	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Benzene	ND		ug/Kg	250	33	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Trichloroethene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloropropane	ND		ug/Kg	250	31	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromodichloromethane	ND		ug/Kg	250	40	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Dibromomethane	ND		ug/Kg	250	56	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
4-Methyl-2-Pentanone	ND		ug/Kg	250	86	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
cis-1,3-Dichloropropene	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Toluene	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
trans-1,3-Dichloropropene	ND		ug/Kg	250	58	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,2-Trichloroethane	ND		ug/Kg	250	34	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3-Dichloropropane	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Tetrachloroethene	ND		ug/Kg	250	37	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Dibromochloromethane	ND		ug/Kg	250	42	Dry	Soil	50	338582	04/24/24	04/24/24	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506597

506597-017 Analyte	Result	Qual	Units	RL	MDL	Basis	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	250	31	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Chlorobenzene	ND		ug/Kg	250	46	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Ethylbenzene	ND		ug/Kg	250	55	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
m,p-Xylenes	ND		ug/Kg	510	120	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
o-Xylene	ND		ug/Kg	250	52	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Styrene	ND		ug/Kg	250	47	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromoform	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Isopropylbenzene	ND		ug/Kg	250	43	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichloropropane	ND		ug/Kg	250	73	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Propylbenzene	ND		ug/Kg	250	41	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromobenzene	ND		ug/Kg	250	45	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
2-Chlorotoluene	ND		ug/Kg	250	53	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
4-Chlorotoluene	ND		ug/Kg	250	41	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
tert-Butylbenzene	ND		ug/Kg	250	33	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
sec-Butylbenzene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
para-Isopropyl Toluene	ND		ug/Kg	250	37	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,3-Dichlorobenzene	ND		ug/Kg	250	38	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,4-Dichlorobenzene	ND		ug/Kg	250	43	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
n-Butylbenzene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichlorobenzene	ND		ug/Kg	250	44	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	78	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,4-Trichlorobenzene	ND		ug/Kg	250	68	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Hexachlorobutadiene	ND		ug/Kg	250	57	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Naphthalene	ND		ug/Kg	250	73	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2,3-Trichlorobenzene	ND		ug/Kg	250	59	Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Surrogates				**Limits**								
Dibromofluoromethane	95%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
1,2-Dichloroethane-d4	99%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Toluene-d8	100%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Bromofluorobenzene	98%		%REC	70-145		Dry	Soil	50	338582	04/24/24	04/24/24	TCN
Method: EPA 8270C-SIM Prep Method: EPA 3546												
1-Methylnaphthalene	ND		ug/Kg	10	1.5	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
2-Methylnaphthalene	ND		ug/Kg	10	1.5	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Naphthalene	ND		ug/Kg	10	3.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Acenaphthylene	ND		ug/Kg	10	1.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Acenaphthene	ND		ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Fluorene	ND		ug/Kg	10	1.3	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Phenanthrene	**4.6**	J	ug/Kg	10	2.2	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Anthracene	**1.7**	J	ug/Kg	10	1.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Fluoranthene	**6.9**	J	ug/Kg	10	3.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Pyrene	**6.5**	J	ug/Kg	10	3.7	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(a)anthracene	**1.9**	J	ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Chrysene	**4.3**	J	ug/Kg	10	0.97	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(b)fluoranthene	**7.9**	J	ug/Kg	10	0.94	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(k)fluoranthene	**2.3**	J	ug/Kg	10	1.1	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(a)pyrene	**2.6**	J	ug/Kg	10	1.4	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Indeno(1,2,3-cd)pyrene	**5.3**	J	ug/Kg	10	1.6	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Benzo(g,h,i)perylene	**9.5**	J	ug/Kg	10	1.7	Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Surrogates				**Limits**								
Nitrobenzene-d5	51%		%REC	27-125		Dry	Soil	1	338434	04/22/24	04/23/24	DJL
2-Fluorobiphenyl	55%		%REC	30-120		Dry	Soil	1	338434	04/22/24	04/23/24	DJL
Terphenyl-d14	73%		%REC	33-155		Dry	Soil	1	338434	04/22/24	04/23/24	DJL

Results for any subcontracted analyses are not included in this section.

Analysis Results for 506597

DO	Diluted Out
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1147141	Batch:	338539
Matrix (Source ID):	Soil (506597-012)	Method:	ASTM D2216	Prep Method:	METHOD

QC1147141 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	3.775	4.026	%		6	20		1

Type:	Blank	Lab ID:	QC1148786	Batch:	339001
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1148786 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.0073	04/29/24	04/29/24
Lead	ND		mg/L	0.15	0.044	04/29/24	04/29/24

Type:	Lab Control Sample	Lab ID:	QC1148787	Batch:	339001
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1148787 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chromium	3.985	4.000	mg/L	100%		80-120
Lead	4.343	4.000	mg/L	109%		80-120

Type:	Lab Control Sample Duplicate	Lab ID:	QC1148788	Batch:	339001
Matrix:	WET Leachate	Method:	EPA 6010B	Prep Method:	METHOD

QC1148788 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Chromium	3.922	4.000	mg/L	98%		80-120	2	20
Lead	4.330	4.000	mg/L	108%		80-120	0	20

Type:	Blank	Lab ID:	QC1146869	Batch:	338460
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1146869 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.88	04/22/24	04/23/24
Arsenic	ND		mg/Kg	1.0	0.25	04/22/24	04/23/24
Barium	ND		mg/Kg	1.0	0.080	04/22/24	04/23/24
Beryllium	ND		mg/Kg	0.50	0.0063	04/22/24	04/23/24
Cadmium	ND		mg/Kg	0.50	0.036	04/22/24	04/23/24
Chromium	ND		mg/Kg	1.0	0.23	04/22/24	04/23/24
Cobalt	ND		mg/Kg	0.50	0.22	04/22/24	04/23/24
Copper	0.17	J	mg/Kg	1.0	0.14	04/22/24	04/23/24
Lead	ND		mg/Kg	1.0	0.26	04/22/24	04/23/24
Molybdenum	ND		mg/Kg	1.0	0.11	04/22/24	04/23/24
Nickel	ND		mg/Kg	1.0	0.12	04/22/24	04/23/24
Selenium	ND		mg/Kg	3.0	0.54	04/22/24	04/23/24
Silver	ND		mg/Kg	0.50	0.062	04/22/24	04/23/24
Thallium	ND		mg/Kg	3.0	0.34	04/22/24	04/23/24
Vanadium	ND		mg/Kg	1.0	0.051	04/22/24	04/23/24
Zinc	ND		mg/Kg	5.0	0.23	04/22/24	04/23/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146870**	**Batch:**	**338460**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1146870 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	97.55	100.0	mg/Kg	98%		80-120
Arsenic	98.10	100.0	mg/Kg	98%		80-120
Barium	99.33	100.0	mg/Kg	99%		80-120
Beryllium	99.49	100.0	mg/Kg	99%		80-120
Cadmium	98.56	100.0	mg/Kg	99%		80-120
Chromium	99.23	100.0	mg/Kg	99%		80-120
Cobalt	106.0	100.0	mg/Kg	106%		80-120
Copper	98.67	100.0	mg/Kg	99%		80-120
Lead	103.8	100.0	mg/Kg	104%		80-120
Molybdenum	98.56	100.0	mg/Kg	99%		80-120
Nickel	103.4	100.0	mg/Kg	103%		80-120
Selenium	92.52	100.0	mg/Kg	93%		80-120
Silver	47.27	50.00	mg/Kg	95%		80-120
Thallium	103.6	100.0	mg/Kg	104%		80-120
Vanadium	99.06	100.0	mg/Kg	99%		80-120
Zinc	96.55	100.0	mg/Kg	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1146871**	**Batch:**	**338460**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146871 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	17.93	ND	96.15	mg/Kg	19%	*	75-125	0.96
Arsenic	99.73	0.4191	96.15	mg/Kg	103%		75-125	0.96
Barium	163.7	65.66	96.15	mg/Kg	102%		75-125	0.96
Beryllium	99.89	0.09125	96.15	mg/Kg	104%		75-125	0.96
Cadmium	93.13	ND	96.15	mg/Kg	97%		75-125	0.96
Chromium	102.3	5.832	96.15	mg/Kg	100%		75-125	0.96
Cobalt	110.5	10.35	96.15	mg/Kg	104%		75-125	0.96
Copper	202.6	101.2	96.15	mg/Kg	105%		75-125	0.96
Lead	104.9	7.225	96.15	mg/Kg	102%		75-125	0.96
Molybdenum	92.86	0.4317	96.15	mg/Kg	96%		75-125	0.96
Nickel	98.95	2.891	96.15	mg/Kg	100%		75-125	0.96
Selenium	93.31	1.544	96.15	mg/Kg	95%		75-125	0.96
Silver	50.25	ND	48.08	mg/Kg	105%		75-125	0.96
Thallium	95.36	ND	96.15	mg/Kg	99%		75-125	0.96
Vanadium	225.3	117.8	96.15	mg/Kg	112%		75-125	0.96
Zinc	120.8	28.99	96.15	mg/Kg	95%		75-125	0.96

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146872**	**Batch:**	**338460**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	19.26	ND	96.15	mg/Kg	20%	*	75-125	7	41	0.96
Arsenic	97.34	0.4191	96.15	mg/Kg	101%		75-125	2	35	0.96
Barium	159.7	65.66	96.15	mg/Kg	98%		75-125	2	20	0.96
Beryllium	97.95	0.09125	96.15	mg/Kg	102%		75-125	2	20	0.96
Cadmium	91.21	ND	96.15	mg/Kg	95%		75-125	2	20	0.96
Chromium	99.97	5.832	96.15	mg/Kg	98%		75-125	2	20	0.96
Cobalt	108.4	10.35	96.15	mg/Kg	102%		75-125	2	20	0.96
Copper	199.9	101.2	96.15	mg/Kg	103%		75-125	1	20	0.96
Lead	102.8	7.225	96.15	mg/Kg	99%		75-125	2	20	0.96
Molybdenum	91.47	0.4317	96.15	mg/Kg	95%		75-125	2	20	0.96
Nickel	96.76	2.891	96.15	mg/Kg	98%		75-125	2	20	0.96
Selenium	91.20	1.544	96.15	mg/Kg	93%		75-125	2	20	0.96
Silver	48.91	ND	48.08	mg/Kg	102%		75-125	3	20	0.96
Thallium	93.49	ND	96.15	mg/Kg	97%		75-125	2	20	0.96
Vanadium	217.7	117.8	96.15	mg/Kg	104%		75-125	3	20	0.96
Zinc	118.7	28.99	96.15	mg/Kg	93%		75-125	2	20	0.96

Type:	**Post Digest Spike**	**Lab ID:**	**QC1146873**	**Batch:**	**338460**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	93.17	ND	97.09	mg/Kg	96%		75-125	0.97
Arsenic	95.93	0.4191	97.09	mg/Kg	98%		75-125	0.97
Barium	157.4	65.66	97.09	mg/Kg	95%		75-125	0.97
Beryllium	95.71	0.09125	97.09	mg/Kg	98%		75-125	0.97
Cadmium	89.73	ND	97.09	mg/Kg	92%		75-125	0.97
Chromium	98.04	5.832	97.09	mg/Kg	95%		75-125	0.97
Cobalt	105.9	10.35	97.09	mg/Kg	98%		75-125	0.97
Copper	201.4	101.2	97.09	mg/Kg	103%		75-125	0.97
Lead	101.1	7.225	97.09	mg/Kg	97%		75-125	0.97
Molybdenum	96.17	0.4317	97.09	mg/Kg	99%		75-125	0.97
Nickel	95.10	2.891	97.09	mg/Kg	95%		75-125	0.97
Selenium	90.66	1.544	97.09	mg/Kg	92%		75-125	0.97
Silver	47.91	ND	48.54	mg/Kg	99%		75-125	0.97
Thallium	92.65	ND	97.09	mg/Kg	95%		75-125	0.97
Vanadium	211.4	117.8	97.09	mg/Kg	96%		75-125	0.97
Zinc	115.7	28.99	97.09	mg/Kg	89%		75-125	0.97

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1148722	Batch: 338977
Matrix: WET Leachate	Method: EPA 7470A	Prep Method: METHOD

QC1148722 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/L	0.10	0.020	04/29/24	04/29/24

Type: Blank	Lab ID: QC1148726	Batch: 338977
Matrix: WET Leachate	Method: EPA 7470A	Prep Method: METHOD

QC1148726 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/L	0.10	0.020	04/29/24	04/29/24

Type: Lab Control Sample	Lab ID: QC1148727	Batch: 338977
Matrix: WET Leachate	Method: EPA 7470A	Prep Method: METHOD

QC1148727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.5110	0.5000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC1148728	Batch: 338977
Matrix (Source ID): WET Leachate (506597-017)	Method: EPA 7470A	Prep Method: METHOD

QC1148728 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.5425	0.03507	0.5000	mg/L	101%		75-125	100

Type: Matrix Spike Duplicate	Lab ID: QC1148729	Batch: 338977
Matrix (Source ID): WET Leachate (506597-017)	Method: EPA 7470A	Prep Method: METHOD

QC1148729 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.5403	0.03507	0.5000	mg/L	101%		75-125	0	20	100

Type: Blank	Lab ID: QC1146941	Batch: 338476
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1146941 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.035	04/23/24	04/23/24

Type: Lab Control Sample	Lab ID: QC1146942	Batch: 338476
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1146942 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8801	0.8333	mg/Kg	106%		80-120

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146943**	**Batch:**	**338476**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1146943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.039	0.05675	0.8929	mg/Kg	110%		75-125	1.1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146944**	**Batch:**	**338476**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1146944 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.018	0.05675	0.8929	mg/Kg	108%		75-125	2	20	1.1

Type:	**Blank**	**Lab ID:**	**QC1146767**	**Batch:**	**338396**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1146767 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C6-C12	ND		mg/Kg	9.9		04/22/24	04/23/24
DRO C10-C28	ND		mg/Kg	9.9	3.4	04/22/24	04/23/24
ORO C28-C44	ND		mg/Kg	20	3.4	04/22/24	04/23/24
Surrogates				**Limits**			
n-Triacontane	98%		%REC	70-130		04/22/24	04/23/24

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146768**	**Batch:**	**338396**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1146768 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	209.6	249.1	mg/Kg	84%		76-122
Surrogates						
n-Triacontane	9.686	9.965	mg/Kg	97%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC1146769**	**Batch:**	**338396**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**
				Basis:	**Dry**

QC1146769 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	214.2	ND	248.3	mg/Kg	86%		62-126	0.99
Surrogates								
n-Triacontane	10.33		9.930	mg/Kg	104%		70-130	0.99

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146770**	**Batch:**	**338396**
Matrix (Source ID):	**Soil (506597-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**
				Basis:	**Dry**

QC1146770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	215.1	ND	248.9	mg/Kg	86%		62-126	0	35	1
Surrogates										
n-Triacontane	10.36		9.955	mg/Kg	104%		70-130			1

Type:	**Blank**	**Lab ID:**	**QC1147640**	**Batch:**	**338680**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1147640 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C6-C12	ND		mg/Kg	10		04/24/24	04/24/24
DRO C10-C28	ND		mg/Kg	10	3.5	04/24/24	04/24/24
ORO C28-C44	ND		mg/Kg	20	3.5	04/24/24	04/24/24
Surrogates				**Limits**			
n-Triacontane	108%		%REC	70-130		04/24/24	04/24/24

Type:	**Lab Control Sample**	**Lab ID:**	**QC1147641**	**Batch:**	**338680**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1147641 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	222.0	250.0	mg/Kg	89%		76-122
Surrogates						
n-Triacontane	7.913	10.00	mg/Kg	79%		70-130

Type:	**Matrix Spike**	**Lab ID:**	**QC1147642**	**Batch:**	**338680**
Matrix (Source ID):	**Soil (506935-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1147642 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	4,700	4518	248.5	mg/Kg	73%	E,NM	62-126	0.99
Surrogates								
n-Triacontane	2.856		9.940	mg/Kg	29%	*	70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1147643**	**Batch:**	**338680**
Matrix (Source ID):	**Soil (506935-001)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1147643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	4,434	4518	248.4	mg/Kg	-34%	E,NM	62-126		35	0.99
Surrogates										
n-Triacontane	15.81		9.935	mg/Kg	159%	*	70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1146665	Batch: 338386
Matrix: Soil		

QC1146665 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	0.99	04/22/24	04/23/24
beta-BHC	ND		ug/Kg	5.0	1.4	04/22/24	04/23/24
gamma-BHC	ND		ug/Kg	5.0	1.0	04/22/24	04/23/24
delta-BHC	ND		ug/Kg	5.0	1.2	04/22/24	04/23/24
Heptachlor	ND		ug/Kg	5.0	1.7	04/22/24	04/23/24
Aldrin	ND		ug/Kg	5.0	1.4	04/22/24	04/23/24
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	04/22/24	04/23/24
Endosulfan I	ND		ug/Kg	5.0	1.4	04/22/24	04/23/24
Dieldrin	ND		ug/Kg	5.0	1.5	04/22/24	04/23/24
4,4'-DDE	ND		ug/Kg	5.0	1.5	04/22/24	04/23/24
Endrin	ND		ug/Kg	5.0	1.7	04/22/24	04/23/24
Endosulfan II	ND		ug/Kg	5.0	1.7	04/22/24	04/23/24
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	04/22/24	04/23/24
4,4'-DDD	ND		ug/Kg	5.0	0.93	04/22/24	04/23/24
Endrin aldehyde	ND		ug/Kg	5.0	1.2	04/22/24	04/23/24
Endrin ketone	ND		ug/Kg	5.0	1.5	04/22/24	04/23/24
4,4'-DDT	ND		ug/Kg	5.0	1.7	04/22/24	04/23/24
Methoxychlor	ND		ug/Kg	10	2.3	04/22/24	04/23/24
Toxaphene	ND		ug/Kg	100	31	04/22/24	04/23/24
Chlordane (Technical)	ND		ug/Kg	50	9.1	04/22/24	04/23/24
Surrogates				**Limits**			
TCMX	70%		%REC	23-120		04/22/24	04/23/24
Decachlorobiphenyl	64%		%REC	24-120		04/22/24	04/23/24
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/22/24	04/23/24
Aroclor-1221	ND		ug/Kg	50	23	04/22/24	04/23/24
Aroclor-1232	ND		ug/Kg	50	19	04/22/24	04/23/24
Aroclor-1242	ND		ug/Kg	50	18	04/22/24	04/23/24
Aroclor-1248	ND		ug/Kg	50	21	04/22/24	04/23/24
Aroclor-1254	ND		ug/Kg	50	6.6	04/22/24	04/23/24
Aroclor-1260	ND		ug/Kg	50	25	04/22/24	04/23/24
Aroclor-1262	ND		ug/Kg	50	16	04/22/24	04/23/24
Aroclor-1268	ND		ug/Kg	50	14	04/22/24	04/23/24
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	100%		%REC	19-121		04/22/24	04/23/24

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Batch QC

Type: Lab Control Sample	**Lab ID: QC1146666**	**Batch: 338386**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1146666 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	43.09	50.51	ug/Kg	85%		22-129
beta-BHC	47.55	50.51	ug/Kg	94%		28-125
gamma-BHC	44.74	50.51	ug/Kg	89%		22-128
delta-BHC	45.89	50.51	ug/Kg	91%		24-131
Heptachlor	41.00	50.51	ug/Kg	81%		18-124
Aldrin	40.15	50.51	ug/Kg	80%		23-120
Heptachlor epoxide	40.43	50.51	ug/Kg	80%		26-120
Endosulfan I	42.11	50.51	ug/Kg	83%		25-126
Dieldrin	44.30	50.51	ug/Kg	88%		23-124
4,4'-DDE	47.50	50.51	ug/Kg	94%		28-121
Endrin	49.09	50.51	ug/Kg	97%		25-127
Endosulfan II	46.20	50.51	ug/Kg	91%		29-121
Endosulfan sulfate	41.96	50.51	ug/Kg	83%		30-121
4,4'-DDD	43.54	50.51	ug/Kg	86%		26-120
Endrin aldehyde	19.77	50.51	ug/Kg	39%		10-120
Endrin ketone	42.70	50.51	ug/Kg	85%		28-125
4,4'-DDT	46.03	50.51	ug/Kg	91%		22-125
Methoxychlor	46.44	50.51	ug/Kg	92%		28-130
Surrogates						
TCMX	41.07	50.51	ug/Kg	81%		23-120
Decachlorobiphenyl	32.68	50.51	ug/Kg	65%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146671**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-002)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146671 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	32.47	ND	49.51	ug/Kg	66%		46-120	0.98
beta-BHC	36.62	ND	49.51	ug/Kg	74%		41-120	0.98
gamma-BHC	32.31	ND	49.51	ug/Kg	65%		41-120	0.98
delta-BHC	30.76	ND	49.51	ug/Kg	62%		38-123	0.98
Heptachlor	29.86	ND	49.51	ug/Kg	60%		39-120	0.98
Aldrin	30.26	ND	49.51	ug/Kg	61%		34-120	0.98
Heptachlor epoxide	30.43	ND	49.51	ug/Kg	61%		43-120	0.98
Endosulfan I	31.48	ND	49.51	ug/Kg	64%		45-120	0.98
Dieldrin	33.21	ND	49.51	ug/Kg	67%		45-120	0.98
4,4'-DDE	36.94	ND	49.51	ug/Kg	75%		34-120	0.98
Endrin	36.24	ND	49.51	ug/Kg	73%		40-120	0.98
Endosulfan II	33.58	ND	49.51	ug/Kg	68%		41-120	0.98
Endosulfan sulfate	26.68	ND	49.51	ug/Kg	54%		42-120	0.98
4,4'-DDD	34.07	ND	49.51	ug/Kg	69%		41-120	0.98
Endrin aldehyde	24.21	ND	49.51	ug/Kg	49%		30-120	0.98
Endrin ketone	32.85	ND	49.51	ug/Kg	66%		45-120	0.98
4,4'-DDT	33.93	4.771	49.51	ug/Kg	59%		35-127	0.98
Methoxychlor	32.28	ND	49.51	ug/Kg	65%		42-136	0.98
Surrogates								
TCMX	31.39		49.51	ug/Kg	63%		23-120	0.98
Decachlorobiphenyl	30.74		49.51	ug/Kg	62%		24-120	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146672**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-002)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146672 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	35.40	ND	49.51	ug/Kg	72%		46-120	9	30	0.98
beta-BHC	44.67	ND	49.51	ug/Kg	90%		41-120	20	30	0.98
gamma-BHC	35.61	ND	49.51	ug/Kg	72%		41-120	10	30	0.98
delta-BHC	35.42	ND	49.51	ug/Kg	72%		38-123	14	30	0.98
Heptachlor	32.43	ND	49.51	ug/Kg	66%		39-120	8	30	0.98
Aldrin	32.56	ND	49.51	ug/Kg	66%		34-120	7	30	0.98
Heptachlor epoxide	32.71	ND	49.51	ug/Kg	66%		43-120	7	30	0.98
Endosulfan I	34.70	ND	49.51	ug/Kg	70%		45-120	10	30	0.98
Dieldrin	35.87	ND	49.51	ug/Kg	72%		45-120	8	30	0.98
4,4'-DDE	39.32	ND	49.51	ug/Kg	79%		34-120	6	30	0.98
Endrin	39.48	ND	49.51	ug/Kg	80%		40-120	9	30	0.98
Endosulfan II	36.16	ND	49.51	ug/Kg	73%		41-120	7	30	0.98
Endosulfan sulfate	31.29	ND	49.51	ug/Kg	63%		42-120	16	30	0.98
4,4'-DDD	36.50	ND	49.51	ug/Kg	74%		41-120	7	30	0.98
Endrin aldehyde	24.15	ND	49.51	ug/Kg	49%		30-120	0	30	0.98
Endrin ketone	36.24	ND	49.51	ug/Kg	73%		45-120	10	30	0.98
4,4'-DDT	39.67	4.771	49.51	ug/Kg	70%		35-127	16	30	0.98
Methoxychlor	35.07	ND	49.51	ug/Kg	71%		42-136	8	30	0.98
Surrogates										
TCMX	32.92		49.51	ug/Kg	66%		23-120			0.98
Decachlorobiphenyl	33.36		49.51	ug/Kg	67%		24-120			0.98

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146673**	**Batch:**	**338386**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1146673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	507.1	495.0	ug/Kg	102%		14-150
Aroclor-1260	509.9	495.0	ug/Kg	103%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	51.43	49.50	ug/Kg	104%		19-121

Type:	**Matrix Spike**	**Lab ID:**	**QC1146674**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-014)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	457.2	ND	500.1	ug/Kg	91%		42-127	0.99
Aroclor-1260	440.4	ND	500.1	ug/Kg	88%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	32.65		50.01	ug/Kg	65%		19-121	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146675**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-014)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	512.6	ND	500.1	ug/Kg	103%		42-127	11	30	0.99
Aroclor-1260	568.1	ND	500.1	ug/Kg	114%		38-130	25	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	42.95		50.01	ug/Kg	86%		19-121			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1147266**	**Batch:**	**338582**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1147266 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.79	50.00	ug/Kg	100%		70-131
MTBE	49.89	50.00	ug/Kg	100%		69-130
Benzene	49.67	50.00	ug/Kg	99%		70-130
Trichloroethene	49.46	50.00	ug/Kg	99%		70-130
Toluene	50.17	50.00	ug/Kg	100%		70-130
Chlorobenzene	52.03	50.00	ug/Kg	104%		70-130
Surrogates						
Dibromofluoromethane	48.33	50.00	ug/Kg	97%		70-130
1,2-Dichloroethane-d4	49.03	50.00	ug/Kg	98%		70-145
Toluene-d8	50.49	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	51.46	50.00	ug/Kg	103%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1147267**	**Batch:**	**338582**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1147267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.40	50.00	ug/Kg	99%		70-131	1	33
MTBE	49.27	50.00	ug/Kg	99%		69-130	1	30
Benzene	48.77	50.00	ug/Kg	98%		70-130	2	30
Trichloroethene	47.10	50.00	ug/Kg	94%		70-130	5	30
Toluene	46.97	50.00	ug/Kg	94%		70-130	7	30
Chlorobenzene	49.06	50.00	ug/Kg	98%		70-130	6	30
Surrogates								
Dibromofluoromethane	51.31	50.00	ug/Kg	103%		70-130		
1,2-Dichloroethane-d4	50.00	50.00	ug/Kg	100%		70-145		
Toluene-d8	50.00	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	51.35	50.00	ug/Kg	103%		70-145		

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1147268**	**Batch:**	**338582**
Matrix (Source ID):	**Soil (506597-005)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**
				Basis:	**Dry**

QC1147268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	51.08	ND	50.00	ug/Kg	102%		70-141	1
MTBE	44.62	ND	50.00	ug/Kg	89%		59-130	1
Benzene	46.51	ND	50.00	ug/Kg	93%		70-130	1
Trichloroethene	41.66	ND	50.00	ug/Kg	83%		69-130	1
Toluene	44.21	ND	50.00	ug/Kg	88%		70-130	1
Chlorobenzene	42.08	ND	50.00	ug/Kg	84%		70-130	1
Surrogates								
Dibromofluoromethane	49.08		50.00	ug/Kg	98%		70-145	1
1,2-Dichloroethane-d4	49.70		50.00	ug/Kg	99%		70-145	1
Toluene-d8	50.36		50.00	ug/Kg	101%		70-145	1
Bromofluorobenzene	52.38		50.00	ug/Kg	105%		70-145	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1147269**	**Batch:**	**338582**
Matrix (Source ID):	**Soil (506597-005)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**
				Basis:	**Dry**

QC1147269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	52.88	ND	50.00	ug/Kg	106%		70-141	3	43	1
MTBE	47.12	ND	50.00	ug/Kg	94%		59-130	5	30	1
Benzene	47.16	ND	50.00	ug/Kg	94%		70-130	1	30	1
Trichloroethene	43.35	ND	50.00	ug/Kg	87%		69-130	4	30	1
Toluene	44.70	ND	50.00	ug/Kg	89%		70-130	1	30	1
Chlorobenzene	41.82	ND	50.00	ug/Kg	84%		70-130	1	30	1
Surrogates										
Dibromofluoromethane	49.94		50.00	ug/Kg	100%		70-145			1
1,2-Dichloroethane-d4	49.21		50.00	ug/Kg	98%		70-145			1
Toluene-d8	50.10		50.00	ug/Kg	100%		70-145			1
Bromofluorobenzene	51.49		50.00	ug/Kg	103%		70-145			1

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Batch QC

Type: Blank	Lab ID: QC1147270	Batch: 338582
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1147270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	250	130	04/24/24	04/24/24
Chloromethane	ND		ug/Kg	250	180	04/24/24	04/24/24
Vinyl Chloride	ND		ug/Kg	250	81	04/24/24	04/24/24
Bromomethane	ND		ug/Kg	250	190	04/24/24	04/24/24
Chloroethane	ND		ug/Kg	250	130	04/24/24	04/24/24
Trichlorofluoromethane	ND		ug/Kg	250	99	04/24/24	04/24/24
Acetone	ND		ug/Kg	5,000	1,900	04/24/24	04/24/24
Freon 113	ND		ug/Kg	250	69	04/24/24	04/24/24
1,1-Dichloroethene	ND		ug/Kg	250	64	04/24/24	04/24/24
Methylene Chloride	ND		ug/Kg	1,000		04/24/24	04/24/24
MTBE	ND		ug/Kg	250	66	04/24/24	04/24/24
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	04/24/24	04/24/24
1,1-Dichloroethane	ND		ug/Kg	250	52	04/24/24	04/24/24
2-Butanone	ND		ug/Kg	5,000	280	04/24/24	04/24/24
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	04/24/24	04/24/24
2,2-Dichloropropane	ND		ug/Kg	250	45	04/24/24	04/24/24
Chloroform	ND		ug/Kg	250	78	04/24/24	04/24/24
Bromochloromethane	ND		ug/Kg	250	68	04/24/24	04/24/24
1,1,1-Trichloroethane	ND		ug/Kg	250	57	04/24/24	04/24/24
1,1-Dichloropropene	ND		ug/Kg	250	68	04/24/24	04/24/24
Carbon Tetrachloride	ND		ug/Kg	250	56	04/24/24	04/24/24
1,2-Dichloroethane	ND		ug/Kg	250	98	04/24/24	04/24/24
Benzene	ND		ug/Kg	250	33	04/24/24	04/24/24
Trichloroethene	ND		ug/Kg	250	38	04/24/24	04/24/24
1,2-Dichloropropane	ND		ug/Kg	250	31	04/24/24	04/24/24
Bromodichloromethane	ND		ug/Kg	250	40	04/24/24	04/24/24
Dibromomethane	ND		ug/Kg	250	55	04/24/24	04/24/24
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	04/24/24	04/24/24
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	04/24/24	04/24/24
Toluene	ND		ug/Kg	250	51	04/24/24	04/24/24
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	04/24/24	04/24/24
1,1,2-Trichloroethane	ND		ug/Kg	250	33	04/24/24	04/24/24
1,3-Dichloropropane	ND		ug/Kg	250	43	04/24/24	04/24/24
Tetrachloroethene	ND		ug/Kg	250	37	04/24/24	04/24/24
Dibromochloromethane	ND		ug/Kg	250	41	04/24/24	04/24/24
1,2-Dibromoethane	ND		ug/Kg	250	31	04/24/24	04/24/24
Chlorobenzene	ND		ug/Kg	250	46	04/24/24	04/24/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	04/24/24	04/24/24
Ethylbenzene	ND		ug/Kg	250	54	04/24/24	04/24/24
m,p-Xylenes	ND		ug/Kg	500	120	04/24/24	04/24/24
o-Xylene	ND		ug/Kg	250	52	04/24/24	04/24/24
Styrene	ND		ug/Kg	250	47	04/24/24	04/24/24
Bromoform	ND		ug/Kg	250	43	04/24/24	04/24/24
Isopropylbenzene	ND		ug/Kg	250	42	04/24/24	04/24/24
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	04/24/24	04/24/24
1,2,3-Trichloropropane	ND		ug/Kg	250	72	04/24/24	04/24/24
Propylbenzene	ND		ug/Kg	250	40	04/24/24	04/24/24

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Batch QC

QC1147270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bromobenzene	ND		ug/Kg	250	45	04/24/24	04/24/24
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	04/24/24	04/24/24
2-Chlorotoluene	ND		ug/Kg	250	52	04/24/24	04/24/24
4-Chlorotoluene	ND		ug/Kg	250	41	04/24/24	04/24/24
tert-Butylbenzene	ND		ug/Kg	250	33	04/24/24	04/24/24
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	04/24/24	04/24/24
sec-Butylbenzene	ND		ug/Kg	250	37	04/24/24	04/24/24
para-Isopropyl Toluene	ND		ug/Kg	250	37	04/24/24	04/24/24
1,3-Dichlorobenzene	ND		ug/Kg	250	38	04/24/24	04/24/24
1,4-Dichlorobenzene	ND		ug/Kg	250	42	04/24/24	04/24/24
n-Butylbenzene	ND		ug/Kg	250	58	04/24/24	04/24/24
1,2-Dichlorobenzene	ND		ug/Kg	250	44	04/24/24	04/24/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	04/24/24	04/24/24
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	04/24/24	04/24/24
Hexachlorobutadiene	ND		ug/Kg	250	56	04/24/24	04/24/24
Naphthalene	ND		ug/Kg	250	73	04/24/24	04/24/24
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	04/24/24	04/24/24
Surrogates				**Limits**			
Dibromofluoromethane	99%		%REC	70-130		04/24/24	04/24/24
1,2-Dichloroethane-d4	98%		%REC	70-145		04/24/24	04/24/24
Toluene-d8	98%		%REC	70-145		04/24/24	04/24/24
Bromofluorobenzene	101%		%REC	70-145		04/24/24	04/24/24

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Batch QC

Type: Blank	Lab ID: QC1147271	Batch: 338582
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1147271 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
Chloromethane	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Bromomethane	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Chloroethane	ND		ug/Kg	5.0	2.5	04/24/24	04/24/24
Trichlorofluoromethane	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
Acetone	ND		ug/Kg	100	32	04/24/24	04/24/24
Freon 113	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Methylene Chloride	ND		ug/Kg	20		04/24/24	04/24/24
MTBE	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
1,1-Dichloroethane	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
2-Butanone	ND		ug/Kg	100	4.3	04/24/24	04/24/24
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
2,2-Dichloropropane	ND		ug/Kg	5.0	2.5	04/24/24	04/24/24
Chloroform	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Bromochloromethane	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
1,1-Dichloropropene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
Carbon Tetrachloride	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Benzene	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
Trichloroethene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
1,2-Dichloropropane	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
Bromodichloromethane	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Dibromomethane	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.6	04/24/24	04/24/24
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Toluene	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.4	04/24/24	04/24/24
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,3-Dichloropropane	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
Tetrachloroethene	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
Dibromochloromethane	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
Chlorobenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
Ethylbenzene	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
m,p-Xylenes	ND		ug/Kg	10	0.8	04/24/24	04/24/24
o-Xylene	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
Styrene	ND		ug/Kg	5.0	0.3	04/24/24	04/24/24
Bromoform	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Isopropylbenzene	ND		ug/Kg	5.0	0.3	04/24/24	04/24/24
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
Propylbenzene	ND		ug/Kg	5.0	0.3	04/24/24	04/24/24

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Batch QC

QC1147271 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bromobenzene	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
2-Chlorotoluene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
4-Chlorotoluene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
tert-Butylbenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	04/24/24	04/24/24
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.3	04/24/24	04/24/24
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.3	04/24/24	04/24/24
n-Butylbenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.4	04/24/24	04/24/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
Naphthalene	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
Surrogates				**Limits**			
Dibromofluoromethane	99%		%REC	70-130		04/24/24	04/24/24
1,2-Dichloroethane-d4	102%		%REC	70-145		04/24/24	04/24/24
Toluene-d8	99%		%REC	70-145		04/24/24	04/24/24
Bromofluorobenzene	101%		%REC	70-145		04/24/24	04/24/24

Type: Blank **Lab ID:** QC1146814 **Batch:** 338434
Matrix: Soil **Method:** EPA 8270C-SIM **Prep Method:** EPA 3546

QC1146814 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	1.5	04/22/24	04/23/24
2-Methylnaphthalene	ND		ug/Kg	10	1.5	04/22/24	04/23/24
Naphthalene	ND		ug/Kg	10	3.6	04/22/24	04/23/24
Acenaphthylene	ND		ug/Kg	10	1.6	04/22/24	04/23/24
Acenaphthene	ND		ug/Kg	10	1.0	04/22/24	04/23/24
Fluorene	ND		ug/Kg	10	1.2	04/22/24	04/23/24
Phenanthrene	ND		ug/Kg	10	2.2	04/22/24	04/23/24
Anthracene	ND		ug/Kg	10	1.4	04/22/24	04/23/24
Fluoranthene	ND		ug/Kg	10	3.3	04/22/24	04/23/24
Pyrene	ND		ug/Kg	10	3.6	04/22/24	04/23/24
Benzo(a)anthracene	ND		ug/Kg	10	1.1	04/22/24	04/23/24
Chrysene	ND		ug/Kg	10	0.96	04/22/24	04/23/24
Benzo(b)fluoranthene	ND		ug/Kg	10	0.92	04/22/24	04/23/24
Benzo(k)fluoranthene	ND		ug/Kg	10	1.0	04/22/24	04/23/24
Benzo(a)pyrene	ND		ug/Kg	10	1.3	04/22/24	04/23/24
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.5	04/22/24	04/23/24
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.8	04/22/24	04/23/24
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.6	04/22/24	04/23/24
Surrogates				**Limits**			
Nitrobenzene-d5	89%		%REC	27-125		04/22/24	04/23/24
2-Fluorobiphenyl	89%		%REC	30-120		04/22/24	04/23/24
Terphenyl-d14	97%		%REC	33-155		04/22/24	04/23/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146815**	**Batch:**	**338434**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1146815 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	171.4	198.0	ug/Kg	87%		28-130
2-Methylnaphthalene	173.0	198.0	ug/Kg	87%		33-130
Naphthalene	179.2	198.0	ug/Kg	91%		25-130
Acenaphthylene	167.2	198.0	ug/Kg	84%		28-130
Acenaphthene	165.3	198.0	ug/Kg	83%		32-130
Fluorene	176.3	198.0	ug/Kg	89%		35-130
Phenanthrene	175.9	198.0	ug/Kg	89%		35-132
Anthracene	177.7	198.0	ug/Kg	90%		34-136
Fluoranthene	178.6	198.0	ug/Kg	90%		34-139
Pyrene	175.8	198.0	ug/Kg	89%		35-134
Benzo(a)anthracene	183.6	198.0	ug/Kg	93%		30-132
Chrysene	184.0	198.0	ug/Kg	93%		29-130
Benzo(b)fluoranthene	175.8	198.0	ug/Kg	89%		32-137
Benzo(k)fluoranthene	190.6	198.0	ug/Kg	96%		32-130
Benzo(a)pyrene	152.9	198.0	ug/Kg	77%		10-138
Indeno(1,2,3-cd)pyrene	194.6	198.0	ug/Kg	98%		34-132
Dibenz(a,h)anthracene	178.4	198.0	ug/Kg	90%		32-130
Benzo(g,h,i)perylene	185.9	198.0	ug/Kg	94%		27-130
Surrogates						
Nitrobenzene-d5	186.1	198.0	ug/Kg	94%		27-125
2-Fluorobiphenyl	180.0	198.0	ug/Kg	91%		30-120
Terphenyl-d14	183.3	198.0	ug/Kg	93%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146816**	**Batch:**	**338434**
Matrix (Source ID):	**Soil (506597-002)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146816 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	170.1	34.70	203.0	ug/Kg	67%		25-130	4
2-Methylnaphthalene	182.1	50.19	203.0	ug/Kg	65%		32-133	4
Naphthalene	184.4	50.48	203.0	ug/Kg	66%		33-130	4
Acenaphthylene	172.3	21.18	203.0	ug/Kg	74%		14-157	4
Acenaphthene	153.6	ND	203.0	ug/Kg	76%		28-134	4
Fluorene	170.2	ND	203.0	ug/Kg	84%		27-140	4
Phenanthrene	224.7	48.83	203.0	ug/Kg	87%		29-147	4
Anthracene	225.7	33.27	203.0	ug/Kg	95%		24-156	4
Fluoranthene	323.4	140.8	203.0	ug/Kg	90%		28-160	4
Pyrene	267.7	94.09	203.0	ug/Kg	85%		26-153	4
Benzo(a)anthracene	239.0	42.81	203.0	ug/Kg	97%		26-174	4
Chrysene	352.6	153.0	203.0	ug/Kg	98%		40-139	4
Benzo(b)fluoranthene	530.6	341.2	203.0	ug/Kg	93%		36-164	4
Benzo(k)fluoranthene	273.8	86.51	203.0	ug/Kg	92%		36-161	4
Benzo(a)pyrene	194.4	49.93	203.0	ug/Kg	71%		18-173	4
Indeno(1,2,3-cd)pyrene	241.8	79.85	203.0	ug/Kg	80%		26-154	4
Dibenz(a,h)anthracene	159.3	18.11	203.0	ug/Kg	70%		38-132	4
Benzo(g,h,i)perylene	230.6	77.13	203.0	ug/Kg	76%		36-130	4
Surrogates								
Nitrobenzene-d5	115.7		203.0	ug/Kg	57%		27-125	4
2-Fluorobiphenyl	154.3		203.0	ug/Kg	76%		30-120	4
Terphenyl-d14	170.8		203.0	ug/Kg	84%		33-155	4

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146817**	**Batch:**	**338434**
Matrix (Source ID):	**Soil (506597-002)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146817 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	177.1	34.70	201.0	ug/Kg	71%		25-130	5	35	4
2-Methylnaphthalene	192.5	50.19	201.0	ug/Kg	71%		32-133	6	35	4
Naphthalene	185.9	50.48	201.0	ug/Kg	67%		33-130	2	35	4
Acenaphthylene	169.4	21.18	201.0	ug/Kg	74%		14-157	1	35	4
Acenaphthene	148.8	ND	201.0	ug/Kg	74%		28-134	2	35	4
Fluorene	161.2	ND	201.0	ug/Kg	80%		27-140	4	35	4
Phenanthrene	218.0	48.83	201.0	ug/Kg	84%		29-147	2	35	4
Anthracene	220.4	33.27	201.0	ug/Kg	93%		24-156	2	35	4
Fluoranthene	313.3	140.8	201.0	ug/Kg	86%		28-160	3	35	4
Pyrene	258.6	94.09	201.0	ug/Kg	82%		26-153	3	35	4
Benzo(a)anthracene	235.8	42.81	201.0	ug/Kg	96%		26-174	1	35	4
Chrysene	350.5	153.0	201.0	ug/Kg	98%		40-139	0	35	4
Benzo(b)fluoranthene	535.8	341.2	201.0	ug/Kg	97%		36-164	1	35	4
Benzo(k)fluoranthene	269.7	86.51	201.0	ug/Kg	91%		36-161	1	35	4
Benzo(a)pyrene	193.5	49.93	201.0	ug/Kg	71%		18-173	0	35	4
Indeno(1,2,3-cd)pyrene	244.6	79.85	201.0	ug/Kg	82%		26-154	2	35	4
Dibenz(a,h)anthracene	160.6	18.11	201.0	ug/Kg	71%		38-132	2	35	4
Benzo(g,h,i)perylene	230.9	77.13	201.0	ug/Kg	76%		36-130	1	35	4
Surrogates										
Nitrobenzene-d5	88.95		201.0	ug/Kg	44%		27-125			4
2-Fluorobiphenyl	154.3		201.0	ug/Kg	77%		30-120			4
Terphenyl-d14	162.4		201.0	ug/Kg	81%		33-155			4

* Value is outside QC limits

E Response exceeds instrument's linear range

J Estimated value

ND Not Detected

NM Not Meaningful

Laboratory Job Number 506597

Subcontracted Products

SGS Forensic

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Enthalpy Analytical LLC
Miguel Gamboa
2323 5th Street

Berkeley, CA 94710

Client ID: 1137
Report Number: N016131
Date Received: 04/23/24
Date Analyzed: 04/30/24
Date Printed: 04/30/24

Job ID/Site: PO-064166- Enthalpy EO#506597

SGSFL Job ID: 1137
Total Samples Submitted: 8
Total Samples Analyzed: 8

PLM Report Number: N/A

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
GRB 1	12743343	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 4	12743344	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 6	12743345	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 9	12743346	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

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Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Enthalpy Analytical LLC
Miguel Gamboa
2323 5th Street

Berkeley, CA 94710

Client ID: 1137
Report Number: N016131
Date Received: 04/23/24
Date Analyzed: 04/30/24
Date Printed: 04/30/24

Job ID/Site: PO-064166- Enthalpy EO#506597

SGSFL Job ID: 1137
Total Samples Submitted: 8
Total Samples Analyzed: 8

PLM Report Number: N/A

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
GRB 11	12743347	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 13	12743348	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 15	12743349	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
GRB 17	12743350	**Grey Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Enthalpy Analytical LLC
Miguel Gamboa
2323 5th Street

Berkeley, CA 94710

Client ID: 1137
Report Number: N016131
Date Received: 04/23/24
Date Analyzed: 04/30/24
Date Printed: 04/30/24

Job ID/Site: PO-064166- Enthalpy EO#506597

SGSFL Job ID: 1137
Total Samples Submitted: 8
Total Samples Analyzed: 8

PLM Report Number: N/A

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description

Maria Cosper, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 0.25%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected.

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Project Name: MST Soil - Marina Station
Project Address: Marina through Sand City, CA
Lab Report #: 506595
Sample Date: 4/16/2024

	ReGen STLC Trigger mg/kg	Tier 1 2019	Residential 2019	Commercial 2019	MS1-4	MS2-1	MS3-2	MS4-0.5
Metals 6010B mg/kg								
Sb - Antimony	0.6	11	11	160	ND	ND	ND	ND
As - Arsenic	5	0.067	0.067	0.31	**2**	**2.2**	**6.4**	**1.8**
Ba - Barium	100	390	15000	220000	**20**	**23**	**25**	**12**
Be - Beryllium	0.4	5	16	230	**0.14**	**0.14**	**0.15**	**0.15**
Cd - Cadmium	0.5	1.9	78	1100	**0.098**	**0.12**	**0.14**	**0.047**
Cr - Chromium (Total)	5	160	-	-	**10**	**9.5**	**13**	**9**
Co - Cobalt	5	23	23	350	**2.5**	**2.6**	**3.6**	**1.6**
Cu - Copper	200	180	3100	47000	**10**	**10**	**24**	**1.8**
Pb - Lead	5	32	80	320	**27**	**44**	**40**	**1.5**
Hg - Mercury **(7471B)**	0.2	13	13	190	ND	ND	ND	ND
Mo - Molybdenum	1	6.9	390	5800	ND	ND	ND	ND
Ni - Nickel	10	86	820	11000	**11**	**10**	**11**	**8.1**
Se - Selenium	1	2.4	390	5800	ND	ND	ND	ND
Ag - Silver	5	25	390	5800	ND	ND	ND	ND
Tl - Thallium	0.05	0.78	0.78	12	ND	ND	ND	ND
V - Vanadium	2	18	390	5800	**14**	**16**	**27**	**9.2**
Zn - Zinc	2000	340	23000	350000	**21**	**24**	**32**	**11**
TPH 8260TPH mg/kg								
TPHg		100	430	2000	ND	ND	ND	ND
TPH 8015B mg/kg								
TPHd		260	260	1200	**9.2**	**17**	**67**	4.1
TPHmo		1600	12000	200000	**42**	**44**	**81**	5.1
Pesticides 8081B ug/kg								
Alpha BHC (Alpha Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Beta Bhc (Beta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Delta Bhc (Delta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Gamma Bhc (Lindane)		7.4	550	25000	ND	ND	ND	ND
Heptachlor		120	120	530	ND	ND	ND	ND
Aldrin		2.4	35	150	ND	ND	ND	ND
Heptachlor Epoxide		0.18	620	280	ND	ND	ND	ND
Endosulfan I		9.8	419510	5783990	ND	ND	ND	ND
Dieldrin		0.46	37	160	ND	ND	ND	ND
4,4-DDE		330	1800	8300	ND	ND	**2.2**	ND
Endrin		1.1	21000	290000	ND	ND	ND	ND
Endosulfan II		--	419510	5783990	ND	ND	ND	ND
Endosulfan Sulfate		--	--	--	ND	ND	ND	ND
4,4-DDD		2700	2700	12000	ND	ND	ND	ND
Endrin Aldehyde		--	--	--	ND	ND	ND	ND
Endrin Ketone		--	--	--	ND	ND	ND	ND
4,4-DDT		1.1	1900	8500	ND	**3.4**	**4**	ND
Methoxychlor		13	350000	4800000	ND	ND	ND	ND
Toxaphene		510	510	2200	ND	ND	ND	ND
Chlordane		8.5	480	2200	ND	ND	ND	ND
PCBs 8082A ug/kg								
Aroclor1016		230	230	230	ND	ND	ND	ND
Aroclor1221		230	230	230	ND	ND	ND	ND
Aroclor1232		230	230	230	ND	ND	ND	ND
Aroclor1242		230	230	230	ND	ND	ND	ND
Aroclor1248		230	230	230	ND	ND	ND	ND
Aroclor1254		230	230	230	ND	ND	ND	ND
Aroclor1260		230	230	230	ND	ND	ND	ND
Aroclor1262		230	230	230	ND	ND	ND	ND
Aroclor1268		230	230	230	ND	ND	ND	ND
Total PCBs		230	230	940	0	0	0	0
VOCs 8260B ug/kg								
1,1,1,2-Tetrachloroethane		17	2000	8900	ND	ND	ND	ND
1,1,1-Trichloroethane		7000	1700000	7300000	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		18	610	2700	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2- Trifluoroethane		--	--	--	ND	ND	ND	ND
1,1,2-Trichloroethane		76	1200	5100	ND	ND	ND	ND
1,1-Dichloroethane		200	3600	16000	ND	ND	ND	ND
1,1-Dichloroethene		540	83000	350000	ND	ND	ND	ND
1,1-Dichloropropene		--	--	--	ND	ND	ND	ND
1,2,3-Trichlorobenzene		--	--	--	ND	ND	ND	ND
1,2,3-Trichloropropane		0.11	23	110	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1200	24000	110000	ND	ND	ND	ND
1,2,4-Trimethylbenzene		--	--	--	ND	ND	ND	ND
1,2-Dibromo-3- Chloropropane		0.59	4.4	59	ND	ND	ND	ND
1,2-Dibromoethane (Ethylene Dibromide)		0.53	36	160	ND	ND	ND	ND
1,2-Dichlorobenzene		1000	1800000	9400000	ND	ND	ND	ND
1,2-Dichloroethane		7	470	2100	ND	ND	ND	ND
1,2-Dichloropropane		65	1000	4400	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	ND	ND	ND	ND
1,3-Dichlorobenzene		6000	--	--	ND	ND	ND	ND
1,3-Dichloropropene		17	100	300	ND	ND	ND	ND
1,4-Dichlorobenzene		200	2600	12000	ND	ND	ND	ND
1,4 - Dioxane		0.17	812290	4541690	ND	ND	ND	ND
2,2-Dichloropropane (2,2-DCP)		--	--	--	ND	ND	ND	ND
2-Butanone		--	--	--	ND	ND	**11**	ND
2-Chlorotoluene		--	--	--	ND	ND	ND	ND
2-Hexanone (MBK)					ND	ND	ND	ND
4-Chlorotoluene		--	--	--	ND	ND	ND	ND
Acetone		920	61,000,000	670,000,000	ND	ND	**130**	ND
Benzene		25	330	1400	ND	ND	**1.7**	ND
Bromobenzene		--	--	--	ND	ND	ND	ND
Bromochloromethane		--	--	--	ND	ND	ND	ND
Bromodichloromethane (BDCM)		16	290	1300	ND	ND	ND	ND
Bromoform		690	18000	80000	ND	ND	ND	ND
Bromomethane		360	6900	30000	ND	ND	ND	ND
Butane, 2-Methoxy-2- Methyl		--	--	--	ND	ND	ND	ND
Carbon Disulfide		--	--	--	ND	ND	ND	ND
Carbon tetrachloride		76	620	2700	ND	ND	ND	ND
Chlorobenzene		1400	270,000	1300000	ND	ND	ND	ND
Chloroethane		1200	14000000	59000000	ND	ND	ND	ND
Chloroform		23	320	1400	ND	ND	ND	ND
Chloromethane		11000	110000	470000	ND	ND	ND	ND
cis-1,2-Dichloroethene		190	19000	85000	ND	ND	ND	ND
cis-1,3-Dichloropropene		--	--	--	ND	ND	ND	ND
Cymene		--	--	--	ND	ND	ND	ND
Dibromochloromethane (DBCM)		350	8300	39000	ND	ND	ND	ND
Dibromomethane		--	--	--	ND	ND	ND	ND
Dichlorodifluoromethane		--	--	--	ND	ND	ND	ND
Di-isopropyl ether (DIPE)		--	--	--	ND	ND	ND	ND
Ethyl Tert-Butyl Ether (ETBE)		--	--	--	ND	ND	ND	ND
Ethylbenzene		430	5900	26000	ND	ND	ND	ND
Freon 113		--	--	--	ND	ND	ND	ND
Hexachlorobutadiene		28	1200	5300	ND	ND	ND	ND
Hexachloroethane		19	1800	7800	ND	ND	ND	ND
Isopropyl Ether		--	--	--	ND	ND	ND	ND
Isopropylbenzene (Cumene)		--	--	--	ND	ND	ND	ND

m,p-Xylene		--	--	--	ND	ND	ND	ND
Methyl Ethyl Ketone (2- Butanone)		6100	27000000	200000000	ND	ND	ND	ND
Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)		360	34000000	140000000	ND	ND	ND	ND
Methylene chloride		120	1900	25000	ND	ND	ND	ND
Methly mercury		34	6320	82070	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)		28	15621960	65612250	ND	ND	ND	ND
Naphthalene		42	3800	17000	ND	ND	ND	ND
n-Butylbenzene		--	--	--	ND	ND	ND	ND
n-Propylbenzene		--	--	--	ND	ND	ND	ND
o-Xylene (1,2- Dimethylbenzene)		--	--	--	ND	ND	ND	ND
sec-Butyl Benzene		--	--	--	ND	ND	ND	ND
Styrene		920	5700000	33000000	ND	ND	ND	ND
tert-Butylbenzene		--	--	--	ND	ND	ND	ND
tert-Butyl alcohol		75	--	--	ND	ND	ND	ND
tert-Butyl Methyl Ether		28	47000	210000	ND	ND	ND	ND
Tetrachloroethene (PCE)		80	590	2700	ND	ND	ND	ND
p-Isopropyltoluene		--	--	--	ND	ND	**8.2**	ND
tert-Amyl methyl ether (TAME)		--	--	--	ND	ND	ND	ND
Trichloroethene		1200	4160	18940	ND	ND	ND	ND
Toluene		3200	1100000	5300000	ND	ND	**2**	ND
Xylenes (Total)		2100	580000	2500000	ND	ND	ND	ND
Trans-1,2-Dichloroethene (trans-1,2-DCE)		650	130000	600000	ND	ND	ND	ND
Trans-1,3-Dichloropropene (trans-1,3-DCP)		--	--	--	ND	ND	ND	ND
Trichloroethylene (TCE)		85	950	6100	ND	ND	ND	ND
Trichlorofluoromethane		--	--	--	ND	ND	ND	ND
Vinyl Chloride		1.5	8.3	150	ND	ND	ND	ND
PAHs 8270C-SIM ug/kg								
1-Methylnaphthalene		--	--	--	ND	ND	**29**	ND
2-Methylnaphthalene		880	240000	3013780	ND	ND	**31**	ND
Naphthalene		42	3800	584540	ND	ND	**23**	ND
Acenaphthylene		64000	--	--	ND	ND	ND	ND
Acenaphthene		12000	3600000	45206720	ND	ND	ND	ND
Fluorene		6000	2400000	30137810	ND	ND	ND	ND
Phenanthrene		7800	--	--	ND	ND	**17**	ND
Anthracene		1900	18000000	226033600	ND	ND	**4.2**	ND
Fluoranthene		690	2400000	30137810	ND	ND	**9**	ND
Pyrene		45000	1800000	22603360	ND	ND	**10**	ND
Benz[a]anthracene		630	1100	20000	ND	ND	**3.8**	ND
Chrysene		--	1100	--	ND	**3.2**	**8**	ND
Benzo[b]fluoranthene		1100	1100	--	ND	**4.6**	**9.2**	1.9
Benzo[a]pyrene		110	110	2100	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene		480	1100	--	ND	ND	**3.5**	ND
Dibenz[a,h]anthracene		110	110	--	ND	ND	**43**	ND
Benzo[g,h,i]perylene		2500	--	--	ND	**5.5**	ND	2.8
PAH, Total		--	--	--	ND	ND	**8.5**	ND
Asbestos %								
CARB 435A		--	--	--	**-**	**-**	**ND**	**ND**

ND = Non-Detect
-- = Value not established
- = Not tested
STLC Required
TCLP Required
*** Values highlighted indicate an exceedance for corresponding screening levels.**

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Project Name: MST Soil - Roundabout
Project Address: Marina through Sand City, CA
Lab Report #: 506595
Sample Date: 4/16/2024

	ReGen STLC Trigger mg/kg	Tier 1 2019	Residential 2019	Commercial 2019	RA 1-3	RA 2-4	RA 3-1	RA 4-2
Metals 6010B mg/kg								
Sb - Antimony	0.6	11	11	160	ND	ND	ND	ND
As - Arsenic	5	0.067	0.067	0.31	**2.4**	**2**	**2.3**	**6.8**
Ba - Barium	100	390	15000	220000	**9.5**	**8.3**	**11**	**45**
Be - Beryllium	0.4	5	16	230	**0.069**	**0.078**	**0.08**	**0.13**
Cd - Cadmium	0.5	1.9	78	1100	**0.05**	ND	**0.056**	**0.42**
Cr - Chromium (Total)	5	160	-	-	**10**	**4.3**	**10**	**21**
Co - Cobalt	5	23	23	350	**1.4**	**0.61**	**1.4**	**6**
Cu - Copper	200	180	3100	47000	**0.97**	**0.86**	**0.99**	**45**
Pb - Lead	5	32	80	320	**1.3**	**0.57**	**0.83**	**47**
Hg - Mercury **(7471B)**	0.2	13	13	190	ND	ND	ND	**0.05**
Mo - Molybdenum	1	6.9	390	5800	ND	ND	ND	ND
Ni - Nickel	10	86	820	11000	**7.1**	**3.7**	**6.9**	**19**
Se - Selenium	1	2.4	390	5800	ND	ND	ND	ND
Ag - Silver	5	25	390	5800	ND	ND	ND	ND
Tl - Thallium	0.05	0.78	0.78	12	ND	ND	ND	ND
V - Vanadium	2	18	390	5800	**9.2**	**4.3**	**10**	**37**
Zn - Zinc	2000	340	23000	350000	**8.2**	**3.6**	**6.7**	**96**
TPH 8260TPH mg/kg								
TPHg		100	430	2000	ND	ND	ND	ND
TPH 8015B mg/kg								
TPHd		260	260	1200	ND	ND	ND	**8.1**
TPHmo		1600	12000	200000	ND	**4.3**	ND	**6.1**
Pesticides 8081B ug/kg								
Alpha BHC (Alpha Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Beta Bhc (Beta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Delta Bhc (Delta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND
Gamma Bhc (Lindane)		7.4	550	25000	ND	ND	ND	ND
Heptachlor		120	120	530	ND	ND	ND	ND
Aldrin		2.4	35	150	ND	ND	ND	ND
Heptachlor Epoxide		0.18	620	280	ND	ND	ND	ND
Endosulfan I		9.8	419510	5783990	ND	ND	ND	ND
Dieldrin		0.46	37	160	ND	ND	ND	ND
4,4-DDE		330	1800	8300	ND	ND	ND	ND
Endrin		1.1	21000	290000	ND	ND	ND	ND
Endosulfan II		--	419510	5783990	ND	ND	ND	ND
Endosulfan Sulfate		--	--	--	ND	ND	ND	ND
4,4-DDD		2700	2700	12000	ND	ND	ND	ND
Endrin Aldehyde		--	--	--	ND	ND	ND	ND
Endrin Ketone		--	--	--	ND	ND	ND	ND
4,4-DDT		1.1	1900	8500	ND	ND	ND	ND
Methoxychlor		13	350000	4800000	ND	ND	ND	ND
Toxaphene		510	510	2200	ND	ND	ND	ND
Chlordane		8.5	480	2200	ND	ND	ND	ND
PCBs 8082A ug/kg								
Aroclor1016		230	230	230	ND	ND	ND	ND
Aroclor1221		230	230	230	ND	ND	ND	ND
Aroclor1232		230	230	230	ND	ND	ND	ND
Aroclor1242		230	230	230	ND	ND	ND	ND
Aroclor1248		230	230	230	ND	ND	ND	ND
Aroclor1254		230	230	230	ND	ND	ND	ND
Aroclor1260		230	230	230	ND	ND	ND	ND
Aroclor1262		230	230	230	ND	ND	ND	ND
Aroclor1268		230	230	230	ND	ND	ND	ND
Total PCBs		230	230	940	ND	ND	ND	ND
VOCs 8260B ug/kg								
1,1,1,2-Tetrachloroethane		17	2000	8900	ND	ND	ND	ND
1,1,1-Trichloroethane		7000	1700000	7300000	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		18	610	2700	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2- Trifluoroethane		--	--	--	ND	ND	ND	ND
1,1,2-Trichloroethane		76	1200	5100	ND	ND	ND	ND
1,1-Dichloroethane		200	3600	16000	ND	ND	ND	ND
1,1-Dichloroethene		540	83000	350000	ND	ND	ND	ND
1,1-Dichloropropene		--	--	--	ND	ND	ND	ND
1,2,3-Trichlorobenzene		--	--	--	ND	ND	ND	ND
1,2,3-Trichloropropane		0.11	23	110	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1200	24000	110000	ND	ND	ND	ND
1,2,4-Trimethylbenzene		--	--	--	ND	ND	ND	ND
1,2-Dibromo-3- Chloropropane		0.59	4.4	59	ND	ND	ND	ND
1,2-Dibromoethane (Ethylene Dibromide)		0.53	36	160	ND	ND	ND	ND
1,2-Dichlorobenzene		1000	1800000	9400000	ND	ND	ND	ND
1,2-Dichloroethane		7	470	2100	ND	ND	ND	ND
1,2-Dichloropropane		65	1000	4400	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	ND	ND	ND	ND
1,3-Dichlorobenzene		6000	--	--	ND	ND	ND	ND
1,3-Dichloropropene		17	100	300	ND	ND	ND	ND
1,4-Dichlorobenzene		200	2600	12000	ND	ND	ND	ND
1,4 - Dioxane		0.17	812290	4541690	ND	ND	ND	ND
2,2-Dichloropropane (2,2-DCP)		--	--	--	ND	ND	ND	ND
2-Butanone		--	--	--	ND	ND	ND	ND
2-Chlorotoluene		--	--	--	ND	ND	ND	ND
2-Hexanone (MBK)					ND	ND	ND	ND
4-Chlorotoluene		--	--	--	ND	ND	ND	ND
Acetone		920	61,000,000	670,000,000	ND	ND	ND	ND
Benzene		25	330	1400	ND	ND	ND	ND
Bromobenzene		--	--	--	ND	ND	ND	ND
Bromochloromethane		--	--	--	ND	ND	ND	ND
Bromodichloromethane (BDCM)		16	290	1300	ND	ND	ND	ND
Bromoform		690	18000	80000	ND	ND	ND	ND
Bromomethane		360	6900	30000	ND	ND	ND	ND
Butane, 2-Methoxy-2- Methyl		--	--	--	ND	ND	ND	ND
Carbon Disulfide		--	--	--	ND	ND	ND	ND
Carbon tetrachloride		76	620	2700	ND	ND	ND	ND
Chlorobenzene		1400	270,000	1300000	ND	ND	ND	ND
Chloroethane		1200	14000000	59000000	ND	ND	ND	ND
Chloroform		23	320	1400	ND	ND	ND	ND
Chloromethane		11000	110000	470000	ND	ND	ND	ND
cis-1,2-Dichloroethene		190	19000	85000	ND	ND	ND	ND
cis-1,3-Dichloropropene		--	--	--	ND	ND	ND	ND
Cymene		--	--	--	ND	ND	ND	ND
Dibromochloromethane (DBCM)		350	8300	39000	ND	ND	ND	ND
Dibromomethane		--	--	--	ND	ND	ND	ND
Dichlorodifluoromethane		--	--	--	ND	ND	ND	ND
Di-isopropyl ether (DIPE)		--	--	--	ND	ND	ND	ND
Ethyl Tert-Butyl Ether (ETBE)		--	--	--	ND	ND	ND	ND
Ethylbenzene		430	5900	26000	ND	ND	ND	ND
Freon 113		--	--	--	ND	ND	ND	ND
Hexachlorobutadiene		28	1200	5300	ND	ND	ND	ND
Hexachloroethane		19	1800	7800	ND	ND	ND	ND
Isopropyl Ether		--	--	--	ND	ND	ND	ND
Isopropylbenzene (Cumene)		--	--	--	ND	ND	ND	ND
m,p-Xylene		--	--	--	ND	ND	ND	ND
Methyl Ethyl Ketone (2- Butanone)		6100	27000000	200000000	ND	ND	ND	ND
Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)		360	34000000	140000000	ND	ND	ND	ND

Methylene chloride		120	1900	25000	ND	ND	ND	ND
Methly mercury		34	6320	82070	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)		28	15621960	65612250	ND	ND	ND	ND
Naphthalene		42	3800	17000	ND	ND	ND	ND
n-Butylbenzene		--	--	--	ND	ND	ND	ND
n-Propylbenzene		--	--	--	ND	ND	ND	ND
o-Xylene (1,2- Dimethylbenzene)		--	--	--	ND	ND	ND	ND
sec-Butyl Benzene		--	--	--	ND	ND	ND	ND
Styrene		920	5700000	33000000	ND	ND	ND	ND
tert-Butylbenzene		--	--	--	ND	ND	ND	ND
tert-Butyl alcohol		75	--	--	ND	ND	ND	ND
tert-Butyl Methyl Ether		28	47000	210000	ND	ND	ND	ND
Tetrachloroethene (PCE)		80	590	2700	ND	ND	ND	ND
p-Isopropyltoluene		--	--	--	ND	ND	ND	ND
tert-Amyl methyl ether (TAME)		--	--	--	ND	ND	ND	ND
Trichloroethene		1200	4160	18940	ND	ND	ND	ND
Toluene		3200	1100000	5300000	ND	ND	ND	ND
Xylenes (Total)		2100	580000	2500000	ND	ND	ND	ND
Trans-1,2-Dichloroethene (trans-1,2-DCE)		650	130000	600000	ND	ND	ND	ND
Trans-1,3-Dichloropropene (trans-1,3-DCP)		--	--	--	ND	ND	ND	ND
Trichloroethylene (TCE)		85	950	6100	ND	ND	ND	ND
Trichlorofluoromethane		--	--	--	ND	ND	ND	ND
Vinyl Chloride		1.5	8.3	150	ND	ND	ND	ND
PAHs 8270C-SIM ug/kg								
1-Methylnaphthalene		--	--	--	**4.2**	ND	ND	ND
2-Methylnaphthalene		880	240000	3013780	**5.5**	ND	ND	**10**
Naphthalene		42	3800	584540	N	ND	ND	ND
Acenaphthylene		64000	--	--	**2.6**	ND	ND	ND
Acenaphthene		12000	3600000	45206720	**5.6**	ND	ND	ND
Fluorene		6000	2400000	30137810	**7.4**	ND	ND	ND
Phenanthrene		7800	--	--	**5.4**	ND	ND	**64**
Anthracene		1900	18000000	226033600	**6**	ND	ND	**9.7**
Fluoranthene		690	2400000	30137810	ND	ND	ND	**35**
Pyrene		45000	1800000	22603360	ND	ND	ND	**54**
Benz[a]anthracene		630	1100	20000	ND	ND	ND	**36**
Chrysene		--	1100	--	ND	ND	ND	**77**
Benzo[b]fluoranthene		1100	1100	--	ND	ND	ND	**36**
Benzo[a]pyrene		110	110	2100	ND	ND	ND	**11**
Indeno[1,2,3-cd]pyrene		480	1100	--	ND	ND	ND	**28**
Dibenz[a,h]anthracene		110	110	--	ND	ND	ND	**17**
Benzo[g,h,i]perylene		2500	--	--	ND	ND	ND	ND
PAH, Total		--	--	--	ND	ND	ND	**24**
Asbestos %								
CARB 435A		--	--	--	**ND**	**-**	**-**	**-**

ND = Non-Detect
-- = Value not established
- = Not tested
STLC Required
TCLP Required
*** Values highlighted indicate an exceedance for corresponding screening levels.**

Graniterock
License #22

Project Name: MST Soil - Playa California
Project Address: Marina through Sand City, CA
Lab Report #: 506595
Sample Date: 4/16/2024

	ReGen STLC Trigger mg/kg	Tier 1 2019	Residential 2019	Commercial 2019	PC 1-3.5	PC 2-1.5	PC 3-2	PC 4-0.5	PC 5-1
Metals 6010B mg/kg									
Sb - Antimony	0.6	11	11	160	ND	ND	ND	ND	ND
As - Arsenic	5	0.067	0.067	0.31	**2.7**	**2.7**	**2**	**2.2**	**3.3**
Ba - Barium	100	390	15000	220000	**42**	**34**	**24**	**19**	**18**
Be - Beryllium	0.4	5	16	230	**0.21**	**0.17**	**0.1**	**0.089**	**0.1**
Cd - Cadmium	0.5	1.9	78	1100	**0.056**	**0.13**	**0.17**	**0.19**	**0.15**
Cr - Chromium (Total)	5	160	-	-	**12**	**13**	**7.9**	**8.3**	**8.5**
Co - Cobalt	5	23	23	350	**2**	**2.1**	**2.6**	**2**	**1.7**
Cu - Copper	200	180	3100	47000	**1.5**	**11**	**58**	**74**	**6.2**
Pb - Lead	5	32	80	320	**1.4**	**26**	**14**	**18**	**19**
Hg - Mercury **(7471B)**	0.2	13	13	190	ND	ND	ND	ND	**ND**
Mo - Molybdenum	1	6.9	390	5800	ND	ND	ND	ND	ND
Ni - Nickel	10	86	820	11000	**9.3**	**8.6**	**5.7**	**6**	**7.8**
Se - Selenium	1	2.4	390	5800	ND	ND	ND	ND	ND
Ag - Silver	5	25	390	5800	ND	ND	ND	ND	ND
Tl - Thallium	0.05	0.78	0.78	12	ND	ND	ND	ND	ND
V - Vanadium	2	18	390	5800	**13**	**17**	**15**	**16**	**9.9**
Zn - Zinc	2000	340	23000	350000	**9.9**	**32**	**24**	**32**	**40**
TPH 8260TPH mg/kg									
TPHg		100	430	2000	ND	ND	ND	**57**	ND
TPH 8015B mg/kg									
TPHd		260	260	1200	ND	**4.1**	ND	**180**	**63**
TPHmo		1600	12000	200000	ND	**4.1**	ND	**410**	**120**
Pesticides 8081B ug/kg									
Alpha BHC (Alpha Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND
Beta Bhc (Beta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND
Delta Bhc (Delta Hexachlorocyclohexane)		--	--	--	ND	ND	ND	ND	ND
Gamma Bhc (Lindane)		7.4	550	25000	ND	ND	ND	ND	ND
Heptachlor		120	120	530	ND	ND	ND	ND	ND
Aldrin		2.4	35	150	ND	ND	ND	ND	ND
Heptachlor Epoxide		0.18	620	280	ND	ND	ND	ND	ND
Endosulfan I		9.8	419510	5783990	ND	ND	ND	ND	ND
Dieldrin		0.46	37	160	ND	ND	ND	**2.1**	ND
4,4-DDE		330	1800	8300	ND	ND	ND	ND	ND
Endrin		1.1	21000	290000	ND	ND	ND	ND	ND
Endosulfan II		--	419510	5783990	ND	ND	ND	ND	ND
Endosulfan Sulfate		--	--	--	ND	ND	ND	ND	ND
4,4-DDD		2700	2700	12000	ND	ND	ND	ND	ND
Endrin Aldehyde		--	--	--	ND	ND	ND	ND	ND
Endrin Ketone		--	--	--	ND	ND	ND	ND	ND
4,4-DDT		1.1	1900	8500	ND	**4.3**	ND	**3.1**	ND
Methoxychlor		13	350000	4800000	ND	ND	ND	ND	ND
Toxaphene		510	510	2200	ND	ND	ND	ND	ND
Chlordane		8.5	480	2200	ND	ND	ND	ND	ND
PCBs 8082A ug/kg									
Aroclor1016		230	230	230	ND	ND	ND	ND	ND
Aroclor1221		230	230	230	ND	ND	ND	ND	ND
Aroclor1232		230	230	230	ND	ND	ND	ND	ND
Aroclor1242		230	230	230	ND	ND	ND	ND	ND
Aroclor1248		230	230	230	ND	ND	ND	ND	ND
Aroclor1254		230	230	230	ND	ND	ND	ND	ND
Aroclor1260		230	230	230	ND	ND	ND	ND	ND
Aroclor1262		230	230	230	ND	ND	ND	ND	ND
Aroclor1268		230	230	230	ND	ND	ND	ND	ND
Total PCBs		230	230	940	ND	ND	ND	ND	ND
VOCs 8260B ug/kg									
1,1,1,2-Tetrachloroethane		17	2000	8900	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		7000	1700000	7300000	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane		18	610	2700	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2- Trifluoroethane		--	--	--	ND	ND	ND	ND	ND
1,1,2-Trichloroethane		76	1200	5100	ND	ND	ND	ND	ND
1,1-Dichloroethane		200	3600	16000	ND	ND	ND	ND	ND
1,1-Dichloroethene		540	83000	350000	ND	ND	ND	ND	ND
1,1-Dichloropropene		--	--	--	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene		--	--	--	ND	ND	ND	ND	ND
1,2,3-Trichloropropane		0.11	23	110	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene		1200	24000	110000	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		--	--	--	ND	ND	ND	ND	ND
1,2-Dibromo-3- Chloropropane		0.59	4.4	59	ND	ND	ND	ND	ND
1,2-Dibromoethane (Ethylene Dibromide)		0.53	36	160	ND	ND	ND	ND	ND
1,2-Dichlorobenzene		1000	1800000	9400000	ND	ND	ND	ND	ND
1,2-Dichloroethane		7	470	2100	ND	ND	ND	ND	ND
1,2-Dichloropropane		65	1000	4400	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene (Mesitylene)		--	--	--	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		6000	--	--	ND	ND	ND	ND	ND
1,3-Dichloropropene		17	100	300	ND	ND	ND	ND	ND
1,4-Dichlorobenzene		200	2600	12000	ND	ND	ND	ND	ND
1,4 - Dioxane		0.17	812290	4541690	ND	ND	ND	ND	ND
2,2-Dichloropropane (2,2-DCP)		--	--	--	ND	ND	ND	ND	ND
2-Butanone		--	--	--	ND	**7.3**	ND	ND	ND
2-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND
2-Hexanone (MBK)					ND	ND	ND	ND	ND
4-Chlorotoluene		--	--	--	ND	ND	ND	ND	ND
Acetone		920	61,000,000	670,000,000	ND	**71**	ND	**66**	ND
Benzene		25	330	1400	ND	ND	ND	ND	ND
Bromobenzene		--	--	--	ND	ND	ND	ND	ND
Bromochloromethane		--	--	--	ND	ND	ND	ND	ND
Bromodichloromethane (BDCM)		16	290	1300	ND	ND	ND	ND	ND
Bromoform		690	18000	80000	ND	ND	ND	ND	ND
Bromomethane		360	6900	30000	ND	ND	ND	ND	ND
Butane, 2-Methoxy-2- Methyl		--	--	--	ND	ND	ND	ND	ND
Carbon Disulfide		--	--	--	ND	ND	ND	ND	ND
Carbon tetrachloride		76	620	2700	ND	ND	ND	ND	ND
Chlorobenzene		1400	270,000	1300000	ND	ND	ND	ND	ND
Chloroethane		1200	14000000	59000000	ND	ND	ND	ND	ND
Chloroform		23	320	1400	ND	ND	ND	ND	ND
Chloromethane		11000	110000	470000	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene		190	19000	85000	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		--	--	--	ND	ND	ND	ND	ND
Cymene		--	--	--	ND	ND	ND	ND	ND
Dibromochloromethane (DBCM)		350	8300	39000	ND	ND	ND	ND	ND
Dibromomethane		--	--	--	ND	ND	ND	ND	ND
Dichlorodifluoromethane		--	--	--	ND	ND	ND	ND	ND
Di-isopropyl ether (DIPE)		--	--	--	ND	ND	ND	ND	ND
Ethyl Tert-Butyl Ether (ETBE)		--	--	--	ND	ND	ND	ND	ND
Ethylbenzene		430	5900	26000	ND	ND	ND	ND	ND
Freon 113		--	--	--	ND	ND	ND	ND	ND
Hexachlorobutadiene		28	1200	5300	ND	ND	ND	ND	ND
Hexachloroethane		19	1800	7800	ND	ND	ND	ND	ND
Isopropyl Ether		--	--	--	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)		--	--	--	ND	ND	ND	ND	ND
m,p-Xylene		--	--	--	ND	ND	ND	ND	ND
Methyl Ethyl Ketone (2- Butanone)		6100	27000000	200000000	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)		360	34000000	140000000	ND	ND	ND	ND	ND
Methylene chloride		120	1900	25000	ND	ND	ND	ND	ND
Methly mercury		34	6320	82070	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)		28	15621960	65612250	ND	ND	ND	ND	ND
Naphthalene		42	3800	17000	ND	ND	ND	ND	ND
n-Butylbenzene		--	--	--	ND	ND	ND	ND	ND
n-Propylbenzene		--	--	--	ND	ND	ND	ND	ND
o-Xylene (1,2- Dimethylbenzene)		--	--	--	ND	ND	ND	ND	ND
sec-Butyl Benzene		--	--	--	ND	ND	ND	ND	ND
Styrene		920	5700000	33000000	ND	ND	ND	ND	ND
tert-Butylbenzene		--	--	--	ND	ND	ND	ND	ND
tert-Butyl alcohol		75	--	--	ND	ND	ND	ND	ND
tert-Butyl Methyl Ether		28	47000	210000	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)		80	590	2700	ND	ND	ND	ND	ND
p-Isopropyltoluene		--	--	--	ND	**1.7**	ND	**2.5**	ND
tert-Amyl methyl ether (TAME)		--	--	--	ND	ND	ND	ND	ND
Trichloroethene		1200	4160	18940	ND	ND	ND	ND	ND
Toluene		3200	1100000	5300000	ND	ND	ND	ND	ND
Xylenes (Total)		2100	580000	2500000	ND	ND	ND	ND	ND

Trans-1,2-Dichloroethene (trans-1,2-DCE)		650	130000	600000	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene (trans-1,3-DCP)		--	--	--	ND	ND	ND	ND	ND
Trichloroethylene (TCE)		85	950	6100	ND	ND	ND	ND	ND
Trichlorofluoromethane		--	--	--	ND	ND	ND	ND	ND
Vinyl Chloride		1.5	8.3	150	ND	ND	ND	ND	ND
PAHs 8270C-SIM ug/kg									
1-Methylnaphthalene		--	--	--	ND	ND	ND	ND	ND
2-Methylnaphthalene		880	240000	3013780	ND	ND	ND	ND	ND
Naphthalene		42	3800	584540	ND	ND	ND	ND	ND
Acenaphthylene		64000	--	--	ND	ND	ND	ND	ND
Acenaphthene		12000	3600000	45206720	ND	ND	ND	ND	ND
Fluorene		6000	2400000	30137810	ND	ND	ND	ND	ND
Phenanthrene		7800	--	--	ND	**7.3**	**3**	ND	ND
Anthracene		1900	18000000	226033600	ND	**1.5**	**3.5**	ND	ND
Fluoranthene		690	2400000	30137810	ND	**9.6**	**7.6**	ND	ND
Pyrene		45000	1800000	22603360	ND	**9.4**	**6.7**	ND	ND
Benz[a]anthracene		630	1100	20000	ND	**4**	**2.9**	ND	ND
Chrysene		--	1100	--	ND	**6.3**	**5**	ND	ND
Benzo[b]fluoranthene		1100	1100	--	ND	**7.4**	**8.7**	ND	ND
Benzo[a]pyrene		110	110	2100	ND	**2.9**	**2.9**	ND	ND
Indeno[1,2,3-cd]pyrene		480	1100	--	ND	**4.4**	**3.7**	ND	ND
Dibenz[a,h]anthracene		110	110	--	ND	**4.5**	**4.3**	ND	ND
Benzo[g,h,i]perylene		2500	--	--	ND	ND	ND	ND	ND
PAH, Total		--	--	--	ND	**7.1**	**5.1**	ND	ND
Asbestos %									
CARB 435A		--	--	--	-	**ND**	**ND**	-	**ND**

ND = Non-Detect
-- = Value not established
- = Not tested
STLC Required
TCLP Required
*** Values highlighted indicate an exceedance for corresponding screening levels.**

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

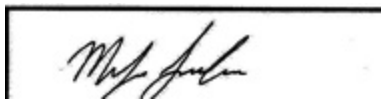
Lab Job Number : 506595
Report Level : II
Report Date : 04/29/2024

Analytical Report *prepared for:*

Lisa Prasad
Graniterock
350 Technology Dr
Watsonville, CA 95076

Project: 8133 - MST

Authorized for release by:



Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lisa Prasad
Graniterock
350 Technology Dr
Watsonville, CA
95076

Lab Job #:	506595
Project No:	8133
Location:	MST
Date Received:	04/17/24

Sample ID	Lab ID	Collected	Matrix
MS1-4	506595-001	04/16/24 16:01	Soil
MS2-1	506595-002	04/16/24 15:45	Soil
MS3-2	506595-003	04/16/24 15:22	Soil
MS4-0.5	506595-004	04/16/24 15:31	Soil
RA 1-3	506595-005	04/16/24 12:28	Soil
RA 2-4	506595-006	04/16/24 11:55	Soil
RA 3-1	506595-007	04/16/24 12:02	Soil
RA 4-2	506595-008	04/16/24 12:13	Soil
PC 1-3.5	506595-009	04/16/24 10:15	Soil
PC 2-1.5	506595-010	04/16/24 10:27	Soil
PC 3-2	506595-011	04/16/24 10:43	Soil
PC 4-0.5	506595-012	04/16/24 10:50	Soil
PC 5-1	506595-013	04/16/24 11:30	Soil

ENTHALPY ANALYTICAL

Case Narrative

Graniterock 350 Technology Dr Watsonville, CA 95076 Lisa Prasad	Lab Job Number: 506595 Project No: 8133 Location: MST Date Received: 04/17/24

This data package contains sample and QC results for thirteen soil samples, requested for the above referenced project on 04/17/24. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015M):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- Low recovery was observed for chlorobenzene in the MSD for batch 338690; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- High responses were observed for benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene in the CCV analyzed 04/24/24 13:39; these analytes were not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High RPD was observed for a number of analytes in the MS/MSD of RA 4-2 (lab # 506595-008).
- High surrogate recovery was observed for nitrobenzene-d5 in PC 4-0.5 (lab # 506595-012); no target analytes were detected in the sample.
- Many samples were diluted due to the dark and viscous nature of the sample extracts.
- No other analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of MS1-4 (lab # 506595-001); the LCS was within limits, and the associated RPD was within limits.
- Beryllium was detected between the MDL and the RL in the method blank for batch 338281; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Moisture (ASTM D2216):
No analytical problems were encountered.

Asbestos (CARB 435):
SGS Forensic in Hayward, CA performed the analysis (see sublab report section for certifications). Please see the SGS Forensic case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 506595

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 2.4 / 1.3 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Graniterock	Name:	MST
Report To:	Lisa Prasad	Number:	8133
Email:	Lprasad@graniterock.com	P.O. #:	
Address:	350 Technology Dr.	Address:	
	Watsonville, CA 95076		
Phone:	831-768-2000	Global ID:	
		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1	MS1-4	4-16-24	16:01	Soil	16oz/VOAs	
2	MS2-1		15:45			
3	MS3-2		15:22			
4	MS4-0.5		15:31			
5	RA1-3		12:28			
6	RA2-4		11:55			
7	RA3-1		12:02			
8	RA4-2		12:13			
9	PC1-3.5		10:15			
10	PC2-1.5		10:27			

Analysis Request

CAM 17 (T22) - 6010	TPH (DRO/MRO/GRO)	Silica Gel Cleanup for TPH (DRO/MRO)	VOCs	SVOC - PAH / PNA SIM	OCP (Pesticides) + PCBs (8081/8082)	Florisil Cleanup	Asbestos CARB 435	Moisture % (Report in Dry Weight)
X	X	X	X	X	X		X	X
							X	
							X	

Test Instructions / Comments

Please also run STLC/TCLP on results over Title 22 10x & 20x trigger levels.

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Lisa Prasad	Graniterock / SDM	4.17.24 15:35
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/24 15:35
2 Relinquished By:	Audrey Hudson	"	"	4/17/24 17:20
2 Received By:		Jodz Petesbon	Enthalpy	4.17.24 17:20
3 Relinquished By:		Jodz Petesbon	Enthalpy	4.18.24 11:49
3 Received By:	J. Quitugua	JELBERT QUITUGUA	E.A.	4/19/24 1007AM

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 506595

Page: 2 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

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Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 2.4/1.5 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Graniterock	Name:	MST
Report To:	Lisa Prasad	Number:	8133
Email:	Lprasad@graniterock.com	P.O. #:	
Address:	350 Technology Dr.	Address:	
	Watsonville, CA 95076		
Phone:	831-768-2000	Global ID:	
		Sampled By:	

Test Instructions / Comments: Please also run STLC/TCLP on results over Title 22 10x & 20x trigger levels.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	CAM 17 (T22) - 6010	TPH (DRO/MRO/GRO)	Silica Gel Cleanup for TPH (DRO/MRO)	VOCs	SVOC - PAH / PNA SIM	OCP (Pesticides) + PCBs (8081/8082)	Florisil Cleanup	Asbestos CARB 435	Moisture % (Report in Dry Weight)
1	PC3-2	4.16.24	10:43	Soil	6oz/voAs		X	X		X	X	X		X	X
2	PC4-0.5	↕	10:50	↕	↕		↓	↓		↕	↕	↕		X	↓
3				↕	↕										
4															
5															
6															
7															
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Lisa Prasad	Graniterock / SDM	4.17.24 15:35
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/24 15:35
2 Relinquished By:	Audrey Hudson	"	"	4/17/24 17:20
2 Received By:		Jack Peterson	Enthalpy	4.17.24 17:20
3 Relinquished By:		Jack Peterson	Enthalpy	4.18.24 11:49
3 Received By:	J. Quintana	JELBERT QUINTANA	E.A.	4/19/24 1007AM

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 4.17.24 Login # 506595 Client: GraniteRock

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ☑ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 4.17.24 By (print) Jadz Peterson (sign) [signature]

☐ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C JDP 4.17.24

Type of ice used : ☑ Wet ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ~~☐ No~~

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @: 14:33 4.17.24	✓		
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?	✓		
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?			✓
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?		✓	
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)		✓	
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Extra sample received: PC5-1 4.16.24 11:30 full set

No VOA count on COC. -005 has no MeOH VOA and an extra SoBi VOA.

-007 has two MeOH VOAs and only one SoBi VOA.

-011 MeOH VOA appears to have evaporated its liquid.

Date Logged 4.17.24 **By (print)** JDP for MAY **(sign)** [signature]

Date Labeled 4.17.24 **By (print)** Jadz Peterson **(sign)** [signature]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: GRANITEROCK Project: MST #8133

Date Received: 4/19/24 Sampler's Name Present: ☐ Yes ☒ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.5 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times) 4/19/24 JRQ	✓	✓	
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

SEE BERKELEY COOLER SHEET

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: J. Quintero Date: 4/19/24

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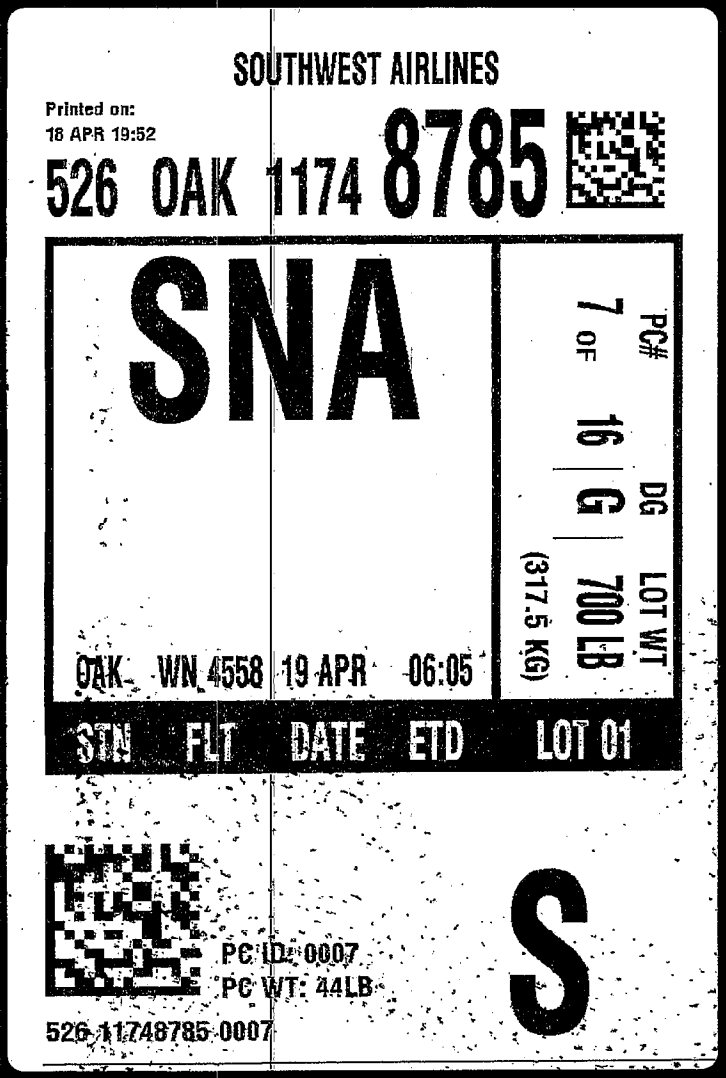
www.enthalpy.com/socal


SOUTHWEST AIRLINES
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18 APR 19:52
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7 OF 16
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(317.5 KG)
OAK WN 4558 19 APR 06:05
STN FLT DATE ETD LOT 01
PC ID: 0007
PC WT: 44LB
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526 11748785 0007

ENTHALPY ANALYTICAL

Analysis Results for 506595

Lisa Prasad
Graniterock
350 Technology Dr
Watsonville, CA 95076

Lab Job #: 506595
Project No: 8133
Location: MST
Date Received: 04/17/24

Sample ID: MS1-4 **Lab ID: 506595-001** **Collected: 04/16/24 16:01**
Matrix: Soil **Basis: Dry**

506595-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**5**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.95	338281	04/19/24	04/21/24	SBW
Arsenic	**2.0**		mg/Kg	1.0	0.59	0.95	338281	04/19/24	04/21/24	SBW
Barium	**20**		mg/Kg	1.0	0.36	0.95	338281	04/19/24	04/21/24	SBW
Beryllium	**0.14**	J	mg/Kg	0.50	0.011	0.95	338281	04/19/24	04/21/24	SBW
Cadmium	**0.098**	J	mg/Kg	0.50	0.046	0.95	338281	04/19/24	04/21/24	SBW
Chromium	**10**		mg/Kg	1.0	0.12	0.95	338281	04/19/24	04/21/24	SBW
Cobalt	**2.5**		mg/Kg	0.50	0.27	0.95	338281	04/19/24	04/21/24	SBW
Copper	**10**		mg/Kg	1.0	0.20	0.95	338281	04/19/24	04/21/24	SBW
Lead	**27**		mg/Kg	1.0	0.38	0.95	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.95	338281	04/19/24	04/21/24	SBW
Nickel	**11**		mg/Kg	1.0	0.17	0.95	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.0	0.85	0.95	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.50	0.15	0.95	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.0	0.87	0.95	338281	04/19/24	04/21/24	SBW
Vanadium	**14**		mg/Kg	1.0	0.079	0.95	338281	04/19/24	04/21/24	SBW
Zinc	**21**		mg/Kg	5.0	0.37	0.95	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.039	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338322	04/20/24	04/22/24	TJW
DRO C10-C28	**9.2**	J	mg/Kg	10	3.6	1	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**42**		mg/Kg	21	3.6	1	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	116%		%REC	70-130		1	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	1.3	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.3	1.1	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.3	1.6	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.3	1.9	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDE	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.3	1.2	1	338342	04/21/24	04/23/24	KLR
Endrin aldehyde	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.4	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	16	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	53	12	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	90%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	83%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	53	15	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	53	24	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	53	20	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	53	19	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	53	22	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	53	7.0	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	53	26	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	53	17	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	53	14	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	82%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	1.5	0.87	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	2.2	0.87	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.6	1.6	0.87	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.6	2.1	0.87	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.6	2.0	0.87	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.6	2.1	0.87	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.6	1.3	0.87	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.6	1.3	0.87	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	91	56	0.87	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.6	3.3	0.87	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.6	0.9	0.87	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.87	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.6	1.6	0.87	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	91	6.7	0.87	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.5	0.87	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.6	1.5	0.87	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.6	1.1	0.87	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloropropene	ND		ug/Kg	4.6	1.1	0.87	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.6	1.4	0.87	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.6	1.1	0.87	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
1,2-Dichloropropane	ND		ug/Kg	4.6	2.1	0.87	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.6	1.6	0.87	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.9	0.87	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.6	1.7	0.87	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	9.1	1.8	0.87	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.6	0.9	0.87	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	1.9	0.87	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.6	1.4	0.87	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.6	0.5	0.87	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.7	0.87	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.6	1.3	0.87	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.6	1.0	0.87	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.87	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.8	0.87	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.6	0.87	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.6	1.1	0.87	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.6	1.2	0.87	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.6	0.87	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.6		0.87	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		0.87	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	108%		%REC	70-145		0.87	338583	04/24/24	04/24/24	EJB
Toluene-d8	95%		%REC	70-145		0.87	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	101%		%REC	70-145		0.87	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	42	6.4	4	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	42	6.4	4	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	42	15	4	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	42	6.7	4	338344	04/21/24	04/24/24	HQN
Acenaphthene	ND		ug/Kg	42	4.4	4	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	42	5.2	4	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	42	9.2	4	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	42	5.9	4	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	42	14	4	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	42	15	4	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	42	4.5	4	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	42	4.0	4	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	42	3.9	4	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	42	4.4	4	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	42	5.6	4	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	42	6.4	4	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	42	12	4	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	42	6.9	4	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	77%		%REC	27-125		4	338344	04/21/24	04/24/24	HQN
2-Fluorobiphenyl	80%		%REC	30-120		4	338344	04/21/24	04/24/24	HQN
Terphenyl-d14	80%		%REC	33-155		4	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

Sample ID: MS2-1	Lab ID: 506595-002	Collected: 04/16/24 15:45
	Matrix: Soil	Basis: Dry

506595-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**2**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.99	338281	04/19/24	04/21/24	SBW
Arsenic	**2.2**		mg/Kg	1.0	0.60	0.99	338281	04/19/24	04/21/24	SBW
Barium	**23**		mg/Kg	1.0	0.36	0.99	338281	04/19/24	04/21/24	SBW
Beryllium	**0.14**	J	mg/Kg	0.51	0.011	0.99	338281	04/19/24	04/21/24	SBW
Cadmium	**0.12**	J	mg/Kg	0.51	0.046	0.99	338281	04/19/24	04/21/24	SBW
Chromium	**9.5**		mg/Kg	1.0	0.12	0.99	338281	04/19/24	04/21/24	SBW
Cobalt	**2.6**		mg/Kg	0.51	0.27	0.99	338281	04/19/24	04/21/24	SBW
Copper	**10**		mg/Kg	1.0	0.20	0.99	338281	04/19/24	04/21/24	SBW
Lead	**44**		mg/Kg	1.0	0.38	0.99	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.99	338281	04/19/24	04/21/24	SBW
Nickel	**10**		mg/Kg	1.0	0.17	0.99	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.0	0.85	0.99	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.99	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.0	0.88	0.99	338281	04/19/24	04/21/24	SBW
Vanadium	**16**		mg/Kg	1.0	0.079	0.99	338281	04/19/24	04/21/24	SBW
Zinc	**24**		mg/Kg	5.1	0.37	0.99	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.043	1.2	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		0.99	338322	04/20/24	04/22/24	TJW
DRO C10-C28	**17**		mg/Kg	10	3.5	0.99	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**44**		mg/Kg	20	3.5	0.99	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	123%		%REC	70-130		0.99	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	1.3	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.2	1.7	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.2	1.1	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.2	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.2	1.5	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.2	1.3	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.2	1.9	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.2	1.5	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.2	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.2	1.5	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.2	1.6	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.2	1.6	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.2	1.7	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.2	1.1	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	1.7	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.2	1.4	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	**3.4**	J	ug/Kg	5.2	1.5	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.2	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	52	11	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	101%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	90%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	52	15	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	52	23	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	52	19	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	52	18	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	52	22	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	52	6.8	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	52	25	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	52	17	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	52	14	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	89%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	1.5	0.91	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	2.3	0.91	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.6	1.6	0.91	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.6	2.1	0.91	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.6	2.1	0.91	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.6	2.1	0.91	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.6	1.3	0.91	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.6	1.3	0.91	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	93	56	0.91	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.6	3.4	0.91	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.6	0.9	0.91	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.6	1.6	0.91	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	93	6.8	0.91	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.6	0.91	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.91	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.6	1.5	0.91	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.6	1.4	0.91	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.6	0.8	0.91	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.6	2.2	0.91	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.6	1.6	0.91	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.9	0.91	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	0.8	0.91	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.6	1.7	0.91	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.6	1.3	0.91	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.6	0.9	0.91	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	1.0	0.91	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.6	0.8	0.91	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	9.3	1.8	0.91	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.6	0.9	0.91	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.6	1.0	0.91	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	1.9	0.91	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.6	1.4	0.91	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.6	1.0	0.91	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.6	1.0	0.91	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.7	0.91	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.6	1.3	0.91	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.91	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.8	0.91	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.6	0.91	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.6	1.1	0.91	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.6	1.2	0.91	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.6	0.91	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.6		0.91	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		0.91	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	106%		%REC	70-145		0.91	338583	04/24/24	04/24/24	EJB
Toluene-d8	98%		%REC	70-145		0.91	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	109%		%REC	70-145		0.91	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	20	3.1	2	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	20	3.1	2	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	20	7.3	2	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	20	3.2	2	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	20	2.1	2	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	20	2.5	2	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	20	4.5	2	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	20	2.9	2	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	20	6.9	2	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	20	7.4	2	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	20	2.2	2	338344	04/21/24	04/24/24	HQN
Chrysene	**3.2**	J	ug/Kg	20	2.0	2	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	20	1.9	2	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	20	2.1	2	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	20	2.7	2	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	20	3.1	2	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	20	5.7	2	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	**5.5**	J,b	ug/Kg	20	3.4	2	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	88%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	81%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	83%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: MS3-2	Lab ID: 506595-003	Collected: 04/16/24 15:22
	Matrix: Soil	Basis: Dry

506595-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**3**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.2	0.99	338281	04/19/24	04/21/24	SBW
Arsenic	**6.4**		mg/Kg	1.0	0.60	0.99	338281	04/19/24	04/21/24	SBW
Barium	**25**		mg/Kg	1.0	0.36	0.99	338281	04/19/24	04/21/24	SBW
Beryllium	**0.15**	J	mg/Kg	0.51	0.011	0.99	338281	04/19/24	04/21/24	SBW
Cadmium	**0.14**	J	mg/Kg	0.51	0.047	0.99	338281	04/19/24	04/21/24	SBW
Chromium	**13**		mg/Kg	1.0	0.12	0.99	338281	04/19/24	04/21/24	SBW
Cobalt	**3.6**		mg/Kg	0.51	0.28	0.99	338281	04/19/24	04/21/24	SBW
Copper	**24**		mg/Kg	1.0	0.21	0.99	338281	04/19/24	04/21/24	SBW
Lead	**40**		mg/Kg	1.0	0.39	0.99	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.99	338281	04/19/24	04/21/24	SBW
Nickel	**11**		mg/Kg	1.0	0.17	0.99	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.86	0.99	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.99	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.89	0.99	338281	04/19/24	04/21/24	SBW
Vanadium	**27**		mg/Kg	1.0	0.080	0.99	338281	04/19/24	04/21/24	SBW
Zinc	**32**		mg/Kg	5.1	0.38	0.99	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.040	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		0.99	338322	04/20/24	04/22/24	TJW
DRO C10-C28	**67**		mg/Kg	10	3.6	0.99	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**81**		mg/Kg	20	3.6	0.99	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	129%		%REC	70-130		0.99	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.2	0.98	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.1	1.7	0.98	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.1	1.1	0.98	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.1	1.3	0.98	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.1	1.8	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDE	**2.2**	J	ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.1	1.6	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.1	1.6	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.1	1.6	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.1	1.1	0.98	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.7	0.98	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDT	**4.0**	J	ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.1	0.98	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	0.98	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	51	11	0.98	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		0.98	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	88%		%REC	24-120		0.98	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	15	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	51	23	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	51	19	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	51	18	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	51	21	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	51	6.6	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	51	25	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	51	17	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	51	14	0.98	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	88%		%REC	19-121		0.98	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	0.97	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	2.4	0.97	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	5.0	1.7	0.97	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	5.0	2.3	0.97	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	5.0	2.2	0.97	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	5.0	2.2	0.97	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	5.0	1.4	0.97	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0	1.4	0.97	338583	04/24/24	04/24/24	EJB
Acetone	**130**		ug/Kg	100	60	0.97	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	5.0	3.6	0.97	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	0.97	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0	1.7	0.97	338583	04/24/24	04/24/24	EJB
2-Butanone	**11**	J	ug/Kg	100	7.3	0.97	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	0.97	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	5.0	1.6	0.97	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.2	0.97	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0	1.2	0.97	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0	1.5	0.97	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0	1.2	0.97	338583	04/24/24	04/24/24	EJB
Benzene	**1.7**	J	ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	5.0	2.3	0.97	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	5.0	1.7	0.97	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	2.1	0.97	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
Toluene	**2.0**	J	ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.8	0.97	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0	1.4	0.97	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	10	1.9	0.97	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	5.0	1.0	0.97	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	2.1	0.97	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.5	0.97	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.6	0.97	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	5.0	0.6	0.97	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	**8.2**		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.4	0.97	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.1	0.97	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	5.0	0.9	0.97	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.8	0.97	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.7	0.97	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0	1.2	0.97	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	5.0	1.3	0.97	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	0.97	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	5.0		0.97	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		0.97	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	108%		%REC	70-145		0.97	338583	04/24/24	04/24/24	EJB
Toluene-d8	102%		%REC	70-145		0.97	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	110%		%REC	70-145		0.97	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	**29**		ug/Kg	21	3.1	2	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	**31**		ug/Kg	21	3.1	2	338344	04/21/24	04/24/24	HQN
Naphthalene	**23**		ug/Kg	21	7.4	2	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	21	3.3	2	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	21	2.1	2	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	21	2.6	2	338344	04/21/24	04/24/24	HQN
Phenanthrene	**17**	J	ug/Kg	21	4.5	2	338344	04/21/24	04/24/24	HQN
Anthracene	**4.2**	J	ug/Kg	21	2.9	2	338344	04/21/24	04/24/24	HQN
Fluoranthene	**9.0**	J	ug/Kg	21	6.9	2	338344	04/21/24	04/24/24	HQN
Pyrene	**10**	J	ug/Kg	21	7.5	2	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	**3.8**	J	ug/Kg	21	2.2	2	338344	04/21/24	04/24/24	HQN
Chrysene	**8.0**	J	ug/Kg	21	2.0	2	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	**9.2**	J	ug/Kg	21	1.9	2	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	21	2.2	2	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	**3.5**	J	ug/Kg	21	2.8	2	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	**4.3**	J,b	ug/Kg	21	3.2	2	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	21	5.8	2	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	**8.5**	J,b	ug/Kg	21	3.4	2	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	83%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	77%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	76%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: MS4-0.5	Lab ID: 506595-004	Collected: 04/16/24 15:31
	Matrix: Soil	Basis: Dry

506595-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**4**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.97	338281	04/19/24	04/21/24	SBW
Arsenic	**1.8**		mg/Kg	1.0	0.60	0.97	338281	04/19/24	04/21/24	SBW
Barium	**12**		mg/Kg	1.0	0.36	0.97	338281	04/19/24	04/21/24	SBW
Beryllium	**0.15**	J	mg/Kg	0.51	0.011	0.97	338281	04/19/24	04/21/24	SBW
Cadmium	**0.047**	J	mg/Kg	0.51	0.046	0.97	338281	04/19/24	04/21/24	SBW
Chromium	**9.0**		mg/Kg	1.0	0.12	0.97	338281	04/19/24	04/21/24	SBW
Cobalt	**1.6**		mg/Kg	0.51	0.27	0.97	338281	04/19/24	04/21/24	SBW
Copper	**1.8**		mg/Kg	1.0	0.20	0.97	338281	04/19/24	04/21/24	SBW
Lead	**1.5**		mg/Kg	1.0	0.38	0.97	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.97	338281	04/19/24	04/21/24	SBW
Nickel	**8.1**		mg/Kg	1.0	0.17	0.97	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.0	0.85	0.97	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.97	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.0	0.88	0.97	338281	04/19/24	04/21/24	SBW
Vanadium	**9.2**		mg/Kg	1.0	0.079	0.97	338281	04/19/24	04/21/24	SBW
Zinc	**11**		mg/Kg	5.1	0.37	0.97	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15	0.037	1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338322	04/20/24	04/22/24	TJW
DRO C10-C28	**4.1**	J	mg/Kg	10	3.6	1	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**5.1**	J	mg/Kg	21	3.6	1	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	114%		%REC	70-130		1	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	1.3	0.99	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.2	1.1	0.99	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.2	1.4	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.2	1.3	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.2	1.9	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.2	1.1	0.99	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.2	1.4	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.2	0.99	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	0.99	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	52	11	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	99%		%REC	23-120		0.99	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	84%		%REC	24-120		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	52	15	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	52	23	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	52	19	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	52	18	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	52	22	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	52	6.8	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	52	25	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	52	17	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	52	14	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	87%		%REC	19-121		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	1.3	0.8	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.0	0.8	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.2	1.5	0.8	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.2	1.9	0.8	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.2	1.9	0.8	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.2	1.9	0.8	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.2	1.2	0.8	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	84	51	0.8	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.2	3.1	0.8	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.2	0.8	0.8	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.2	1.5	0.8	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	84	6.1	0.8	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.4	0.8	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.8	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.2	1.4	0.8	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.2	1.3	0.8	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.2	2.0	0.8	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.2	1.5	0.8	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.7	0.8	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.2	1.5	0.8	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.2	0.9	0.8	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.8	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.9	0.8	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	8.4	1.6	0.8	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.2	0.8	0.8	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.2	0.9	0.8	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	1.8	0.8	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.2	1.3	0.8	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.2	0.9	0.8	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.5	0.8	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.2	0.9	0.8	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.2	0.5	0.8	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.5	0.8	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.2	1.2	0.8	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.8	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.7	0.8	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.4	0.8	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.2	1.0	0.8	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.2	1.1	0.8	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.6	0.8	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.2		0.8	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		0.8	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	107%		%REC	70-145		0.8	338583	04/24/24	04/24/24	EJB
Toluene-d8	98%		%REC	70-145		0.8	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	103%		%REC	70-145		0.8	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	10	3.8	1	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	10	1.7	1	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	10	1.3	1	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	10	2.3	1	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	10	1.5	1	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	10	3.5	1	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	10	3.8	1	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	10	1.0	1	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	**1.9**	J	ug/Kg	10	0.97	1	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	10	1.4	1	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	1	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	**2.8**	J,b	ug/Kg	10	1.7	1	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	83%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	82%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	82%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: RA 1-3	Lab ID: 506595-005	Collected: 04/16/24 12:28
	Matrix: Soil	Basis: Dry

506595-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**3**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.97	338281	04/19/24	04/21/24	SBW
Arsenic	**2.4**		mg/Kg	1.0	0.59	0.97	338281	04/19/24	04/21/24	SBW
Barium	**9.5**		mg/Kg	1.0	0.36	0.97	338281	04/19/24	04/21/24	SBW
Beryllium	**0.069**	B,J	mg/Kg	0.50	0.011	0.97	338281	04/19/24	04/21/24	SBW
Cadmium	**0.050**	J	mg/Kg	0.50	0.046	0.97	338281	04/19/24	04/21/24	SBW
Chromium	**10**		mg/Kg	1.0	0.12	0.97	338281	04/19/24	04/21/24	SBW
Cobalt	**1.4**		mg/Kg	0.50	0.27	0.97	338281	04/19/24	04/21/24	SBW
Copper	**0.97**	J	mg/Kg	1.0	0.20	0.97	338281	04/19/24	04/21/24	SBW
Lead	**1.3**		mg/Kg	1.0	0.38	0.97	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.97	338281	04/19/24	04/21/24	SBW
Nickel	**7.1**		mg/Kg	1.0	0.17	0.97	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.0	0.85	0.97	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.50	0.15	0.97	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.0	0.87	0.97	338281	04/19/24	04/21/24	SBW
Vanadium	**9.2**		mg/Kg	1.0	0.079	0.97	338281	04/19/24	04/21/24	SBW
Zinc	**8.2**		mg/Kg	5.0	0.37	0.97	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.041	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338322	04/20/24	04/22/24	TJW
DRO C10-C28	ND		mg/Kg	10	3.6	1	338322	04/20/24	04/22/24	TJW
ORO C28-C44	ND		mg/Kg	21	3.6	1	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	129%		%REC	70-130		1	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.2	0.99	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.1	1.7	0.99	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.1	1.1	0.99	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.1	1.4	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.1	1.5	0.99	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.1	1.3	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.1	1.9	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.1	1.5	0.99	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.1	1.5	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.1	1.5	0.99	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.1	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.1	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.1	1.7	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.1	1.1	0.99	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.7	0.99	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.1	1.4	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.1	1.5	0.99	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.2	0.99	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	0.99	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	51	11	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	96%		%REC	23-120		0.99	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	86%		%REC	24-120		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	15	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	51	23	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	51	19	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	51	18	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	51	22	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	51	6.7	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	51	25	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	51	17	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	51	14	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	86%		%REC	19-121		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	1.3	0.81	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.0	0.81	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.2	1.5	0.81	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.2	1.9	0.81	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.2	1.9	0.81	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.2	1.9	0.81	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.2	1.2	0.81	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	83	51	0.81	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.2	3.0	0.81	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.2	0.8	0.81	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.81	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.2	1.5	0.81	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	83	6.1	0.81	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.4	0.81	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.81	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.2	1.4	0.81	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.2	1.0	0.81	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.2	1.0	0.81	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.2	1.2	0.81	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.2	1.0	0.81	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.2	1.9	0.81	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.2	1.5	0.81	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.7	0.81	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.2	1.5	0.81	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.81	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	8.3	1.6	0.81	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.2	0.8	0.81	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	1.7	0.81	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.2	1.3	0.81	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.5	0.81	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.2	0.5	0.81	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.5	0.81	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.2	1.2	0.81	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.9	0.81	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.81	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.7	0.81	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.4	0.81	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.2	1.0	0.81	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.2	1.1	0.81	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.6	0.81	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.2		0.81	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		0.81	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	106%		%REC	70-145		0.81	338583	04/24/24	04/24/24	EJB
Toluene-d8	95%		%REC	70-145		0.81	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	96%		%REC	70-145		0.81	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	**4.2**	J	ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	**5.5**	J	ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	10	3.7	1	338344	04/21/24	04/24/24	HQN
Acenaphthylene	**2.6**	J	ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	**5.6**	J	ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Fluorene	**7.4**	J	ug/Kg	10	1.3	1	338344	04/21/24	04/24/24	HQN
Phenanthrene	**5.4**	J	ug/Kg	10	2.3	1	338344	04/21/24	04/24/24	HQN
Anthracene	**6.0**	J	ug/Kg	10	1.5	1	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	10	3.5	1	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	10	3.8	1	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	10	1.0	1	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	10	0.96	1	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	10	1.4	1	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	1	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.7	1	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	80%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	76%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	77%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: RA 2-4	Lab ID: 506595-006	Collected: 04/16/24 11:55
	Matrix: Soil	Basis: Dry

506595-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**4**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.2	0.98	338281	04/19/24	04/21/24	SBW
Arsenic	**2.0**		mg/Kg	1.0	0.60	0.98	338281	04/19/24	04/21/24	SBW
Barium	**8.3**		mg/Kg	1.0	0.36	0.98	338281	04/19/24	04/21/24	SBW
Beryllium	**0.078**	B,J	mg/Kg	0.51	0.011	0.98	338281	04/19/24	04/21/24	SBW
Cadmium	ND		mg/Kg	0.51	0.047	0.98	338281	04/19/24	04/21/24	SBW
Chromium	**4.3**		mg/Kg	1.0	0.12	0.98	338281	04/19/24	04/21/24	SBW
Cobalt	**0.61**		mg/Kg	0.51	0.28	0.98	338281	04/19/24	04/21/24	SBW
Copper	**0.83**	J	mg/Kg	1.0	0.21	0.98	338281	04/19/24	04/21/24	SBW
Lead	**0.57**	J	mg/Kg	1.0	0.39	0.98	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.98	338281	04/19/24	04/21/24	SBW
Nickel	**3.7**		mg/Kg	1.0	0.17	0.98	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.86	0.98	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.98	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.89	0.98	338281	04/19/24	04/21/24	SBW
Vanadium	**4.3**		mg/Kg	1.0	0.080	0.98	338281	04/19/24	04/21/24	SBW
Zinc	**3.6**	J	mg/Kg	5.1	0.38	0.98	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.043	1.2	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		0.99	338322	04/20/24	04/22/24	TJW
DRO C10-C28	ND		mg/Kg	10	3.6	0.99	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**4.3**	J	mg/Kg	21	3.6	0.99	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	106%		%REC	70-130		0.99	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.3	0.98	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.1	1.7	0.98	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.1	1.1	0.98	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.1	1.3	0.98	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.1	1.9	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.1	1.6	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.1	1.6	0.98	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.1	1.7	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.1	1.1	0.98	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.1	1.7	0.98	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.1	1.4	0.98	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.1	1.5	0.98	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.2	0.98	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	0.98	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	51	11	0.98	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	99%		%REC	23-120		0.98	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	93%		%REC	24-120		0.98	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	51	15	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	51	23	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	51	19	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	51	18	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	51	22	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	51	6.7	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	51	25	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	51	17	0.98	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	51	14	0.98	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	93%		%REC	19-121		0.98	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	1.4	0.83	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	2.1	0.83	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.3	2.0	0.83	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.3	1.9	0.83	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.3	2.0	0.83	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	87	53	0.83	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.3	3.2	0.83	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	87	6.4	0.83	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.3	1.4	0.83	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.3	2.0	0.83	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.3	1.8	0.83	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.3	1.6	0.83	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	8.7	1.7	0.83	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.3	1.8	0.83	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.3	0.5	0.83	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.3	0.5	0.83	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.3		0.83	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	106%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Toluene-d8	96%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	97%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	10	3.7	1	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	10	1.7	1	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	10	1.3	1	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	10	2.3	1	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	10	1.5	1	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	10	3.5	1	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	10	3.8	1	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	10	1.0	1	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	10	0.96	1	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.1	1	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	10	1.4	1	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.6	1	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	1	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.7	1	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	93%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	86%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	88%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: RA 3-1	Lab ID: 506595-007	Collected: 04/16/24 12:02
	Matrix: Soil	Basis: Dry

506595-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**4**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.2	0.98	338281	04/19/24	04/21/24	SBW
Arsenic	**2.3**		mg/Kg	1.0	0.60	0.98	338281	04/19/24	04/21/24	SBW
Barium	**11**		mg/Kg	1.0	0.36	0.98	338281	04/19/24	04/21/24	SBW
Beryllium	**0.080**	B,J	mg/Kg	0.51	0.011	0.98	338281	04/19/24	04/21/24	SBW
Cadmium	**0.056**	J	mg/Kg	0.51	0.047	0.98	338281	04/19/24	04/21/24	SBW
Chromium	**10**		mg/Kg	1.0	0.12	0.98	338281	04/19/24	04/21/24	SBW
Cobalt	**1.4**		mg/Kg	0.51	0.28	0.98	338281	04/19/24	04/21/24	SBW
Copper	**0.99**	J	mg/Kg	1.0	0.21	0.98	338281	04/19/24	04/21/24	SBW
Lead	**0.83**	J	mg/Kg	1.0	0.39	0.98	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.98	338281	04/19/24	04/21/24	SBW
Nickel	**6.9**		mg/Kg	1.0	0.17	0.98	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.86	0.98	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.98	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.89	0.98	338281	04/19/24	04/21/24	SBW
Vanadium	**10**		mg/Kg	1.0	0.080	0.98	338281	04/19/24	04/21/24	SBW
Zinc	**6.7**		mg/Kg	5.1	0.38	0.98	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.040	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		1	338322	04/20/24	04/22/24	TJW
DRO C10-C28	ND		mg/Kg	10	3.6	1	338322	04/20/24	04/22/24	TJW
ORO C28-C44	ND		mg/Kg	21	3.6	1	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	125%		%REC	70-130		1	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	1.3	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.3	1.1	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.3	1.6	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.3	1.9	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.3	1.2	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.4	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	16	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	53	12	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	98%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	91%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	53	15	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	53	24	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	53	20	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	53	19	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	53	22	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	53	7.0	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	53	26	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	53	17	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	53	14	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	89%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	1.4	0.83	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	2.1	0.83	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.3	2.0	0.83	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.3	1.9	0.83	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.3	1.9	0.83	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	87	53	0.83	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.3	3.2	0.83	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	87	6.4	0.83	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.3	1.4	0.83	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.3	2.0	0.83	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.3	1.8	0.83	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.3	1.6	0.83	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	8.7	1.7	0.83	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.3	1.8	0.83	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.3	0.9	0.83	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.3	0.5	0.83	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.3	0.5	0.83	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.3	1.3	0.83	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.3	0.8	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.3	1.5	0.83	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.3	1.1	0.83	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.3	1.0	0.83	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.3	1.2	0.83	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.3	0.6	0.83	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.3		0.83	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	105%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Toluene-d8	94%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	94%		%REC	70-145		0.83	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	1.6	0.99	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	10	1.6	0.99	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	10	3.7	0.99	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	10	1.6	0.99	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	10	1.1	0.99	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	10	1.3	0.99	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	10	2.3	0.99	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	10	1.4	0.99	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	10	3.5	0.99	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	10	3.7	0.99	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	10	1.1	0.99	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	10	0.99	0.99	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	10	0.96	0.99	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.1	0.99	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	10	1.4	0.99	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.6	0.99	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	10	2.9	0.99	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.7	0.99	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	85%		%REC	27-125		9.9	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	80%		%REC	30-120		9.9	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	79%		%REC	33-155		9.9	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: RA 4-2	Lab ID: 506595-008	Collected: 04/16/24 12:13
	Matrix: Soil	Basis: Dry

506595-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**9**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.3	0.95	338281	04/19/24	04/21/24	SBW
Arsenic	**6.8**		mg/Kg	1.0	0.62	0.95	338281	04/19/24	04/21/24	SBW
Barium	**45**		mg/Kg	1.0	0.37	0.95	338281	04/19/24	04/21/24	SBW
Beryllium	**0.13**	J	mg/Kg	0.52	0.012	0.95	338281	04/19/24	04/21/24	SBW
Cadmium	**0.42**	J	mg/Kg	0.52	0.048	0.95	338281	04/19/24	04/21/24	SBW
Chromium	**21**		mg/Kg	1.0	0.13	0.95	338281	04/19/24	04/21/24	SBW
Cobalt	**6.0**		mg/Kg	0.52	0.28	0.95	338281	04/19/24	04/21/24	SBW
Copper	**45**		mg/Kg	1.0	0.21	0.95	338281	04/19/24	04/21/24	SBW
Lead	**47**		mg/Kg	1.0	0.39	0.95	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.2	1.2	0.95	338281	04/19/24	04/21/24	SBW
Nickel	**19**		mg/Kg	1.0	0.18	0.95	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.88	0.95	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.52	0.16	0.95	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.91	0.95	338281	04/19/24	04/21/24	SBW
Vanadium	**37**		mg/Kg	1.0	0.082	0.95	338281	04/19/24	04/21/24	SBW
Zinc	**96**		mg/Kg	5.2	0.38	0.95	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.050**	J	mg/Kg	0.16	0.040	1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	11		0.99	338322	04/20/24	04/22/24	TJW
DRO C10-C28	**8.1**	J	mg/Kg	11	3.8	0.99	338322	04/20/24	04/22/24	TJW
ORO C28-C44	**6.1**	J	mg/Kg	22	3.8	0.99	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	119%		%REC	70-130		0.99	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.4	1.3	0.99	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.4	1.8	0.99	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.4	1.1	0.99	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.4	1.5	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.4	1.6	0.99	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.4	1.4	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.4	2.0	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.4	1.6	0.99	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.4	1.6	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.4	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.4	1.7	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.4	1.7	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.4	1.8	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.4	1.2	0.99	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

Analysis Results for 506595

506595-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.4	1.8	0.99	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.4	1.5	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.4	1.6	0.99	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.5	0.99	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	16	0.99	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	54	12	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	90%		%REC	23-120		0.99	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	86%		%REC	24-120		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	54	16	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	54	25	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	54	20	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	54	19	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	54	23	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	54	7.1	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	54	27	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	54	18	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	54	15	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	88%		%REC	19-121		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	1.3	0.72	338583	04/24/24	04/24/24	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	1.9	0.72	338583	04/24/24	04/24/24	EJB
Freon 12	ND		ug/Kg	4.0	1.4	0.72	338583	04/24/24	04/24/24	EJB
Chloromethane	ND		ug/Kg	4.0	1.8	0.72	338583	04/24/24	04/24/24	EJB
Vinyl Chloride	ND		ug/Kg	4.0	1.8	0.72	338583	04/24/24	04/24/24	EJB
Bromomethane	ND		ug/Kg	4.0	1.8	0.72	338583	04/24/24	04/24/24	EJB
Chloroethane	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
Trichlorofluoromethane	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
Acetone	ND		ug/Kg	79	48	0.72	338583	04/24/24	04/24/24	EJB
Freon 113	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
Methylene Chloride	ND		ug/Kg	4.0	2.9	0.72	338583	04/24/24	04/24/24	EJB
MTBE	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
1,1-Dichloroethane	ND		ug/Kg	4.0	1.4	0.72	338583	04/24/24	04/24/24	EJB
2-Butanone	ND		ug/Kg	79	5.8	0.72	338583	04/24/24	04/24/24	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	1.3	0.72	338583	04/24/24	04/24/24	EJB
2,2-Dichloropropane	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
Chloroform	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
Bromochloromethane	ND		ug/Kg	4.0	1.3	0.72	338583	04/24/24	04/24/24	EJB
1,1,1-Trichloroethane	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
1,1-Dichloropropene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
Carbon Tetrachloride	ND		ug/Kg	4.0	1.2	0.72	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Benzene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Trichloroethene	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.0	1.9	0.72	338583	04/24/24	04/24/24	EJB
Bromodichloromethane	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
Dibromomethane	ND		ug/Kg	4.0	1.4	0.72	338583	04/24/24	04/24/24	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.6	0.72	338583	04/24/24	04/24/24	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
Toluene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
1,1,2-Trichloroethane	ND		ug/Kg	4.0	1.5	0.72	338583	04/24/24	04/24/24	EJB
1,3-Dichloropropane	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
Tetrachloroethene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Dibromochloromethane	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
1,2-Dibromoethane	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
Chlorobenzene	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Ethylbenzene	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
m,p-Xylenes	ND		ug/Kg	7.9	1.5	0.72	338583	04/24/24	04/24/24	EJB
o-Xylene	ND		ug/Kg	4.0	0.8	0.72	338583	04/24/24	04/24/24	EJB
Styrene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Bromoform	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
Isopropylbenzene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	1.7	0.72	338583	04/24/24	04/24/24	EJB
1,2,3-Trichloropropane	ND		ug/Kg	4.0	1.2	0.72	338583	04/24/24	04/24/24	EJB
Propylbenzene	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
Bromobenzene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
2-Chlorotoluene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
4-Chlorotoluene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
tert-Butylbenzene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.6	0.72	338583	04/24/24	04/24/24	EJB
sec-Butylbenzene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
1,3-Dichlorobenzene	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
n-Butylbenzene	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.7	0.72	338583	04/24/24	04/24/24	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.4	0.72	338583	04/24/24	04/24/24	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	1.0	0.72	338583	04/24/24	04/24/24	EJB
Hexachlorobutadiene	ND		ug/Kg	4.0	0.9	0.72	338583	04/24/24	04/24/24	EJB
Naphthalene	ND		ug/Kg	4.0	1.1	0.72	338583	04/24/24	04/24/24	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.5	0.72	338583	04/24/24	04/24/24	EJB
Xylene (total)	ND		ug/Kg	4.0		0.72	338583	04/24/24	04/24/24	EJB
Surrogates				**Limits**						
Dibromofluoromethane	95%		%REC	70-145		0.72	338583	04/24/24	04/24/24	EJB
1,2-Dichloroethane-d4	109%		%REC	70-145		0.72	338583	04/24/24	04/24/24	EJB
Toluene-d8	98%		%REC	70-145		0.72	338583	04/24/24	04/24/24	EJB
Bromofluorobenzene	101%		%REC	70-145		0.72	338583	04/24/24	04/24/24	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	22	6.6	2	338344	04/21/24	04/26/24	HQN
2-Methylnaphthalene	**10**	J	ug/Kg	22	9.5	2	338344	04/21/24	04/26/24	HQN
Naphthalene	ND		ug/Kg	22	7.8	2	338344	04/21/24	04/26/24	HQN
Acenaphthylene	ND		ug/Kg	22	7.8	2	338344	04/21/24	04/26/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	22	7.3	2	338344	04/21/24	04/26/24	HQN
Fluorene	ND		ug/Kg	22	5.9	2	338344	04/21/24	04/26/24	HQN
Phenanthrene	**64**		ug/Kg	22	7.6	2	338344	04/21/24	04/26/24	HQN
Anthracene	**9.7**	J	ug/Kg	22	7.4	2	338344	04/21/24	04/26/24	HQN
Fluoranthene	**35**		ug/Kg	22	7.3	2	338344	04/21/24	04/26/24	HQN
Pyrene	**54**		ug/Kg	22	7.9	2	338344	04/21/24	04/26/24	HQN
Benzo(a)anthracene	**36**		ug/Kg	22	6.1	2	338344	04/21/24	04/26/24	HQN
Chrysene	**77**		ug/Kg	22	5.4	2	338344	04/21/24	04/26/24	HQN
Benzo(b)fluoranthene	**36**		ug/Kg	22	7.0	2	338344	04/21/24	04/26/24	HQN
Benzo(k)fluoranthene	**11**	J	ug/Kg	22	7.8	2	338344	04/21/24	04/26/24	HQN
Benzo(a)pyrene	**28**		ug/Kg	22	4.3	2	338344	04/21/24	04/26/24	HQN
Indeno(1,2,3-cd)pyrene	**17**	J	ug/Kg	22	6.6	2	338344	04/21/24	04/26/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	22	9.9	2	338344	04/21/24	04/26/24	HQN
Benzo(g,h,i)perylene	**24**		ug/Kg	22	7.9	2	338344	04/21/24	04/26/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	86%		%REC	27-125		9.9	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	81%		%REC	30-120		9.9	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	77%		%REC	33-155		9.9	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

Sample ID: PC 1-3.5	Lab ID: 506595-009	Collected: 04/16/24 10:15
	Matrix: Soil	Basis: Dry

506595-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**6**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.3	0.97	338281	04/19/24	04/21/24	SBW
Arsenic	**2.7**		mg/Kg	1.0	0.61	0.97	338281	04/19/24	04/21/24	SBW
Barium	**42**		mg/Kg	1.0	0.37	0.97	338281	04/19/24	04/21/24	SBW
Beryllium	**0.21**	J	mg/Kg	0.52	0.011	0.97	338281	04/19/24	04/21/24	SBW
Cadmium	**0.056**	J	mg/Kg	0.52	0.047	0.97	338281	04/19/24	04/21/24	SBW
Chromium	**12**		mg/Kg	1.0	0.12	0.97	338281	04/19/24	04/21/24	SBW
Cobalt	**2.0**		mg/Kg	0.52	0.28	0.97	338281	04/19/24	04/21/24	SBW
Copper	**1.5**		mg/Kg	1.0	0.21	0.97	338281	04/19/24	04/21/24	SBW
Lead	**1.4**		mg/Kg	1.0	0.39	0.97	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.97	338281	04/19/24	04/21/24	SBW
Nickel	**9.3**		mg/Kg	1.0	0.18	0.97	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.87	0.97	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.52	0.16	0.97	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.90	0.97	338281	04/19/24	04/21/24	SBW
Vanadium	**13**		mg/Kg	1.0	0.081	0.97	338281	04/19/24	04/21/24	SBW
Zinc	**9.9**		mg/Kg	5.2	0.38	0.97	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.041	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	11		0.99	338322	04/20/24	04/22/24	TJW
DRO C10-C28	ND		mg/Kg	11	3.7	0.99	338322	04/20/24	04/22/24	TJW
ORO C28-C44	ND		mg/Kg	21	3.7	0.99	338322	04/20/24	04/22/24	TJW
Surrogates				**Limits**						
n-Triacontane	119%		%REC	70-130		0.99	338322	04/20/24	04/22/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.4	1.3	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.4	1.8	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.4	1.1	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.4	1.5	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.4	1.6	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.4	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.4	2.0	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.4	1.5	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.4	1.6	1	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.4	1.6	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.4	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.4	1.7	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.4	1.8	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.4	1.2	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.4	1.8	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.4	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.4	1.6	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.5	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	16	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	54	12	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	81%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	54	16	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	54	25	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	54	20	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	54	19	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	54	23	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	54	7.1	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	54	27	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	54	18	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	54	15	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	85%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	1.1	0.86	338712	04/25/24	04/25/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	1.7	0.86	338712	04/25/24	04/25/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Freon 12	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Chloromethane	ND		ug/Kg	4.6	0.8	0.86	338712	04/25/24	04/25/24	HMN
Vinyl Chloride	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Bromomethane	ND		ug/Kg	4.6	1.0	0.86	338712	04/25/24	04/25/24	HMN
Chloroethane	ND		ug/Kg	4.6	2.2	0.86	338712	04/25/24	04/25/24	HMN
Trichlorofluoromethane	ND		ug/Kg	4.6	0.8	0.86	338712	04/25/24	04/25/24	HMN
Acetone	ND		ug/Kg	92	29	0.86	338712	04/25/24	04/25/24	HMN
Freon 113	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
1,1-Dichloroethene	ND		ug/Kg	4.6	1.0	0.86	338712	04/25/24	04/25/24	HMN
Methylene Chloride	ND		ug/Kg	4.6	3.1	0.86	338712	04/25/24	04/25/24	HMN
MTBE	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	1.0	0.86	338712	04/25/24	04/25/24	HMN
1,1-Dichloroethane	ND		ug/Kg	4.6	0.8	0.86	338712	04/25/24	04/25/24	HMN
2-Butanone	ND		ug/Kg	92	3.9	0.86	338712	04/25/24	04/25/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
2,2-Dichloropropane	ND		ug/Kg	4.6	2.3	0.86	338712	04/25/24	04/25/24	HMN
Chloroform	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Bromochloromethane	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	4.6	1.2	0.86	338712	04/25/24	04/25/24	HMN
1,1-Dichloropropene	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
Carbon Tetrachloride	ND		ug/Kg	4.6	1.1	0.86	338712	04/25/24	04/25/24	HMN
1,2-Dichloroethane	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Benzene	ND		ug/Kg	4.6	0.5	0.86	338712	04/25/24	04/25/24	HMN
Trichloroethene	ND		ug/Kg	4.6	0.6	0.86	338712	04/25/24	04/25/24	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
Bromodichloromethane	ND		ug/Kg	4.6	1.0	0.86	338712	04/25/24	04/25/24	HMN
Dibromomethane	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.5	0.86	338712	04/25/24	04/25/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	1.0	0.86	338712	04/25/24	04/25/24	HMN
Toluene	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	1.3	0.86	338712	04/25/24	04/25/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,3-Dichloropropane	ND		ug/Kg	4.6	0.6	0.86	338712	04/25/24	04/25/24	HMN
Tetrachloroethene	ND		ug/Kg	4.6	0.5	0.86	338712	04/25/24	04/25/24	HMN
Dibromochloromethane	ND		ug/Kg	4.6	0.5	0.86	338712	04/25/24	04/25/24	HMN
1,2-Dibromoethane	ND		ug/Kg	4.6	0.6	0.86	338712	04/25/24	04/25/24	HMN
Chlorobenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
Ethylbenzene	ND		ug/Kg	4.6	0.6	0.86	338712	04/25/24	04/25/24	HMN
m,p-Xylenes	ND		ug/Kg	9.2	0.7	0.86	338712	04/25/24	04/25/24	HMN
o-Xylene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
Styrene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
Bromoform	ND		ug/Kg	4.6	0.9	0.86	338712	04/25/24	04/25/24	HMN
Isopropylbenzene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	4.6	1.1	0.86	338712	04/25/24	04/25/24	HMN
Propylbenzene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
Bromobenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
2-Chlorotoluene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
4-Chlorotoluene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
tert-Butylbenzene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
sec-Butylbenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.3	0.86	338712	04/25/24	04/25/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.2	0.86	338712	04/25/24	04/25/24	HMN
n-Butylbenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.4	0.86	338712	04/25/24	04/25/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.1	0.86	338712	04/25/24	04/25/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.5	0.86	338712	04/25/24	04/25/24	HMN
Hexachlorobutadiene	ND		ug/Kg	4.6	0.6	0.86	338712	04/25/24	04/25/24	HMN
Naphthalene	ND		ug/Kg	4.6	1.1	0.86	338712	04/25/24	04/25/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.7	0.86	338712	04/25/24	04/25/24	HMN
Xylene (total)	ND		ug/Kg	4.6		0.86	338712	04/25/24	04/25/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.86	338712	04/25/24	04/25/24	HMN
1,2-Dichloroethane-d4	104%		%REC	70-145		0.86	338712	04/25/24	04/25/24	HMN
Toluene-d8	99%		%REC	70-145		0.86	338712	04/25/24	04/25/24	HMN
Bromofluorobenzene	101%		%REC	70-145		0.86	338712	04/25/24	04/25/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	11	1.6	0.99	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	11	1.6	0.99	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	11	3.8	0.99	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	11	1.7	0.99	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	11	1.1	0.99	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	11	1.3	0.99	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	11	2.3	0.99	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	11	1.5	0.99	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	11	3.5	0.99	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	11	3.8	0.99	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	11	1.1	0.99	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	11	1.0	0.99	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	11	0.98	0.99	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	11	1.1	0.99	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	11	1.4	0.99	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	11	1.6	0.99	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	11	3.0	0.99	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	11	1.7	0.99	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	98%		%REC	27-125		9.9	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	84%		%REC	30-120		9.9	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	83%		%REC	33-155		9.9	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

Sample ID: PC 2-1.5	Lab ID: 506595-010	Collected: 04/16/24 10:27
	Matrix: Soil	Basis: Dry

506595-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**5**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.1	1.2	0.97	338281	04/19/24	04/21/24	SBW
Arsenic	**2.7**		mg/Kg	1.0	0.60	0.97	338281	04/19/24	04/21/24	SBW
Barium	**34**		mg/Kg	1.0	0.36	0.97	338281	04/19/24	04/21/24	SBW
Beryllium	**0.17**	J	mg/Kg	0.51	0.011	0.97	338281	04/19/24	04/21/24	SBW
Cadmium	**0.13**	J	mg/Kg	0.51	0.047	0.97	338281	04/19/24	04/21/24	SBW
Chromium	**13**		mg/Kg	1.0	0.12	0.97	338281	04/19/24	04/21/24	SBW
Cobalt	**2.1**		mg/Kg	0.51	0.28	0.97	338281	04/19/24	04/21/24	SBW
Copper	**11**		mg/Kg	1.0	0.21	0.97	338281	04/19/24	04/21/24	SBW
Lead	**26**		mg/Kg	1.0	0.39	0.97	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.97	338281	04/19/24	04/21/24	SBW
Nickel	**8.6**		mg/Kg	1.0	0.17	0.97	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.1	0.86	0.97	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.51	0.16	0.97	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.1	0.89	0.97	338281	04/19/24	04/21/24	SBW
Vanadium	**17**		mg/Kg	1.0	0.080	0.97	338281	04/19/24	04/21/24	SBW
Zinc	**32**		mg/Kg	5.1	0.38	0.97	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.042	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	10		0.99	338322	04/20/24	04/23/24	TJW
DRO C10-C28	**4.1**	J	mg/Kg	10	3.6	0.99	338322	04/20/24	04/23/24	TJW
ORO C28-C44	**4.1**	J	mg/Kg	21	3.6	0.99	338322	04/20/24	04/23/24	TJW
Surrogates				**Limits**						
n-Triacontane	124%		%REC	70-130		0.99	338322	04/20/24	04/23/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.3	1.3	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.3	1.1	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.3	1.6	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.3	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.3	1.9	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.3	1.6	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.3	1.6	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.3	1.7	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.3	1.2	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.3	1.8	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	**4.3**	J	ug/Kg	5.3	1.5	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.3	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	16	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	53	11	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	89%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	53	15	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	53	24	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	53	20	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	53	19	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	53	22	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	53	6.9	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	53	26	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	53	17	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	53	14	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	89%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	1.4	0.83	338690	04/25/24	04/25/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	2.1	0.83	338690	04/25/24	04/25/24	HMN
Freon 12	ND		ug/Kg	4.3	1.5	0.83	338690	04/25/24	04/25/24	HMN
Chloromethane	ND		ug/Kg	4.3	2.0	0.83	338690	04/25/24	04/25/24	HMN
Vinyl Chloride	ND		ug/Kg	4.3	1.9	0.83	338690	04/25/24	04/25/24	HMN
Bromomethane	ND		ug/Kg	4.3	2.0	0.83	338690	04/25/24	04/25/24	HMN
Chloroethane	ND		ug/Kg	4.3	1.2	0.83	338690	04/25/24	04/25/24	HMN
Trichlorofluoromethane	ND		ug/Kg	4.3	1.3	0.83	338690	04/25/24	04/25/24	HMN
Acetone	**71**	J	ug/Kg	87	53	0.83	338690	04/25/24	04/25/24	HMN
Freon 113	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
Methylene Chloride	ND		ug/Kg	4.3	3.2	0.83	338690	04/25/24	04/25/24	HMN
MTBE	ND		ug/Kg	4.3	0.8	0.83	338690	04/25/24	04/25/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethane	ND		ug/Kg	4.3	1.5	0.83	338690	04/25/24	04/25/24	HMN
2-Butanone	**7.3**	J	ug/Kg	87	6.4	0.83	338690	04/25/24	04/25/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	4.3	1.5	0.83	338690	04/25/24	04/25/24	HMN
2,2-Dichloropropane	ND		ug/Kg	4.3	0.8	0.83	338690	04/25/24	04/25/24	HMN
Chloroform	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
Bromochloromethane	ND		ug/Kg	4.3	1.4	0.83	338690	04/25/24	04/25/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
1,1-Dichloropropene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
Carbon Tetrachloride	ND		ug/Kg	4.3	1.3	0.83	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
Benzene	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
Trichloroethene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.3	2.0	0.83	338690	04/25/24	04/25/24	HMN
Bromodichloromethane	ND		ug/Kg	4.3	1.2	0.83	338690	04/25/24	04/25/24	HMN
Dibromomethane	ND		ug/Kg	4.3	1.5	0.83	338690	04/25/24	04/25/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	4.3	1.8	0.83	338690	04/25/24	04/25/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
Toluene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	4.3	1.6	0.83	338690	04/25/24	04/25/24	HMN
1,3-Dichloropropane	ND		ug/Kg	4.3	1.2	0.83	338690	04/25/24	04/25/24	HMN
Tetrachloroethene	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
Dibromochloromethane	ND		ug/Kg	4.3	0.8	0.83	338690	04/25/24	04/25/24	HMN
1,2-Dibromoethane	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
Chlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
Ethylbenzene	ND		ug/Kg	4.3	0.8	0.83	338690	04/25/24	04/25/24	HMN
m,p-Xylenes	ND		ug/Kg	8.7	1.7	0.83	338690	04/25/24	04/25/24	HMN
o-Xylene	ND		ug/Kg	4.3	0.9	0.83	338690	04/25/24	04/25/24	HMN
Styrene	ND		ug/Kg	4.3	0.9	0.83	338690	04/25/24	04/25/24	HMN
Bromoform	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
Isopropylbenzene	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.3	1.8	0.83	338690	04/25/24	04/25/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	4.3	1.3	0.83	338690	04/25/24	04/25/24	HMN
Propylbenzene	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
Bromobenzene	ND		ug/Kg	4.3	0.9	0.83	338690	04/25/24	04/25/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	4.3	0.5	0.83	338690	04/25/24	04/25/24	HMN
2-Chlorotoluene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
4-Chlorotoluene	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
tert-Butylbenzene	ND		ug/Kg	4.3	0.5	0.83	338690	04/25/24	04/25/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
sec-Butylbenzene	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
para-Isopropyl Toluene	**1.7**	J	ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	4.3	1.3	0.83	338690	04/25/24	04/25/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
n-Butylbenzene	ND		ug/Kg	4.3	0.8	0.83	338690	04/25/24	04/25/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	4.3	0.7	0.83	338690	04/25/24	04/25/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.3	1.5	0.83	338690	04/25/24	04/25/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	4.3	1.1	0.83	338690	04/25/24	04/25/24	HMN
Hexachlorobutadiene	ND		ug/Kg	4.3	1.0	0.83	338690	04/25/24	04/25/24	HMN
Naphthalene	ND		ug/Kg	4.3	1.2	0.83	338690	04/25/24	04/25/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	4.3	0.6	0.83	338690	04/25/24	04/25/24	HMN
Xylene (total)	ND		ug/Kg	4.3		0.83	338690	04/25/24	04/25/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		0.83	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane-d4	110%		%REC	70-145		0.83	338690	04/25/24	04/25/24	HMN
Toluene-d8	96%		%REC	70-145		0.83	338690	04/25/24	04/25/24	HMN
Bromofluorobenzene	98%		%REC	70-145		0.83	338690	04/25/24	04/25/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	11	1.6	1	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	11	1.6	1	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	11	3.8	1	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	11	1.1	1	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	11	1.3	1	338344	04/21/24	04/24/24	HQN
Phenanthrene	**7.3**	J	ug/Kg	11	2.3	1	338344	04/21/24	04/24/24	HQN
Anthracene	**1.5**	J	ug/Kg	11	1.5	1	338344	04/21/24	04/24/24	HQN
Fluoranthene	**9.6**	J	ug/Kg	11	3.6	1	338344	04/21/24	04/24/24	HQN
Pyrene	**9.4**	J	ug/Kg	11	3.8	1	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	**4.0**	J	ug/Kg	11	1.1	1	338344	04/21/24	04/24/24	HQN
Chrysene	**6.3**	J	ug/Kg	11	1.0	1	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	**7.4**	J	ug/Kg	11	0.98	1	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	**2.9**	J	ug/Kg	11	1.1	1	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	**4.4**	J	ug/Kg	11	1.4	1	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	**4.5**	J,b	ug/Kg	11	1.6	1	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	11	3.0	1	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	**7.1**	J,b	ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	74%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	74%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	75%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

Sample ID: PC 3-2	Lab ID: 506595-011	Collected: 04/16/24 10:43
	Matrix: Soil	Basis: Dry

506595-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**9**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.3	0.97	338281	04/19/24	04/21/24	SBW
Arsenic	**2.0**		mg/Kg	1.1	0.63	0.97	338281	04/19/24	04/21/24	SBW
Barium	**24**		mg/Kg	1.1	0.38	0.97	338281	04/19/24	04/21/24	SBW
Beryllium	**0.10**	B,J	mg/Kg	0.53	0.012	0.97	338281	04/19/24	04/21/24	SBW
Cadmium	**0.17**	J	mg/Kg	0.53	0.049	0.97	338281	04/19/24	04/21/24	SBW
Chromium	**7.9**		mg/Kg	1.1	0.13	0.97	338281	04/19/24	04/21/24	SBW
Cobalt	**2.6**		mg/Kg	0.53	0.29	0.97	338281	04/19/24	04/21/24	SBW
Copper	**58**		mg/Kg	1.1	0.22	0.97	338281	04/19/24	04/21/24	SBW
Lead	**14**		mg/Kg	1.1	0.40	0.97	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.2	1.2	0.97	338281	04/19/24	04/21/24	SBW
Nickel	**5.7**		mg/Kg	1.1	0.18	0.97	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.2	0.90	0.97	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.53	0.16	0.97	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.2	0.93	0.97	338281	04/19/24	04/21/24	SBW
Vanadium	**15**		mg/Kg	1.1	0.084	0.97	338281	04/19/24	04/21/24	SBW
Zinc	**24**		mg/Kg	5.3	0.39	0.97	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.042	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	11		1	338322	04/20/24	04/23/24	TJW
DRO C10-C28	ND		mg/Kg	11	3.8	1	338322	04/20/24	04/23/24	TJW
ORO C28-C44	ND		mg/Kg	22	3.8	1	338322	04/20/24	04/23/24	TJW
Surrogates				**Limits**						
n-Triacontane	124%		%REC	70-130		1	338322	04/20/24	04/23/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.6	1.4	1	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.6	1.9	1	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.6	1.2	1	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.6	1.5	1	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.6	1.7	1	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.6	1.4	1	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.6	2.0	1	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.6	1.6	1	338342	04/21/24	04/23/24	KLR
Dieldrin	ND		ug/Kg	5.6	1.6	1	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.6	1.6	1	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.6	1.8	1	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.6	1.8	1	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.6	1.8	1	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.6	1.2	1	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.6	1.9	1	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.6	1.6	1	338342	04/21/24	04/23/24	KLR
4,4'-DDT	ND		ug/Kg	5.6	1.6	1	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	11	5.7	1	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	110	17	1	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	56	12	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		1	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	93%		%REC	24-120		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	56	16	1	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	56	25	1	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	56	21	1	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	56	20	1	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	56	24	1	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	56	7.4	1	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	56	27	1	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	56	18	1	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	56	15	1	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	92%		%REC	19-121		1	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	1.3	0.74	338690	04/25/24	04/25/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	2.0	0.74	338690	04/25/24	04/25/24	HMN
Freon 12	ND		ug/Kg	4.1	1.4	0.74	338690	04/25/24	04/25/24	HMN
Chloromethane	ND		ug/Kg	4.1	1.9	0.74	338690	04/25/24	04/25/24	HMN
Vinyl Chloride	ND		ug/Kg	4.1	1.8	0.74	338690	04/25/24	04/25/24	HMN
Bromomethane	ND		ug/Kg	4.1	1.8	0.74	338690	04/25/24	04/25/24	HMN
Chloroethane	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Trichlorofluoromethane	ND		ug/Kg	4.1	1.2	0.74	338690	04/25/24	04/25/24	HMN
Acetone	**120**		ug/Kg	81	49	0.74	338690	04/25/24	04/25/24	HMN
Freon 113	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethene	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Methylene Chloride	ND		ug/Kg	4.1	3.0	0.74	338690	04/25/24	04/25/24	HMN
MTBE	ND		ug/Kg	4.1	0.8	0.74	338690	04/25/24	04/25/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethane	ND		ug/Kg	4.1	1.4	0.74	338690	04/25/24	04/25/24	HMN
2-Butanone	ND		ug/Kg	81	6.0	0.74	338690	04/25/24	04/25/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	4.1	1.4	0.74	338690	04/25/24	04/25/24	HMN
2,2-Dichloropropane	ND		ug/Kg	4.1	0.8	0.74	338690	04/25/24	04/25/24	HMN
Chloroform	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
Bromochloromethane	ND		ug/Kg	4.1	1.3	0.74	338690	04/25/24	04/25/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
1,1-Dichloropropene	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
Carbon Tetrachloride	ND		ug/Kg	4.1	1.2	0.74	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
Benzene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
Trichloroethene	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.1	1.9	0.74	338690	04/25/24	04/25/24	HMN
Bromodichloromethane	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Dibromomethane	ND		ug/Kg	4.1	1.4	0.74	338690	04/25/24	04/25/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	4.1	1.7	0.74	338690	04/25/24	04/25/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN
Toluene	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	4.1	1.5	0.74	338690	04/25/24	04/25/24	HMN
1,3-Dichloropropane	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Tetrachloroethene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
Dibromochloromethane	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN
1,2-Dibromoethane	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Chlorobenzene	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
Ethylbenzene	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN
m,p-Xylenes	ND		ug/Kg	8.1	1.6	0.74	338690	04/25/24	04/25/24	HMN
o-Xylene	ND		ug/Kg	4.1	0.8	0.74	338690	04/25/24	04/25/24	HMN
Styrene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
Bromoform	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
Isopropylbenzene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.1	1.7	0.74	338690	04/25/24	04/25/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	4.1	1.2	0.74	338690	04/25/24	04/25/24	HMN
Propylbenzene	ND		ug/Kg	4.1	0.6	0.74	338690	04/25/24	04/25/24	HMN
Bromobenzene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
2-Chlorotoluene	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
4-Chlorotoluene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
tert-Butylbenzene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN
sec-Butylbenzene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
para-Isopropyl Toluene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	4.1	1.2	0.74	338690	04/25/24	04/25/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	4.1	0.9	0.74	338690	04/25/24	04/25/24	HMN
n-Butylbenzene	ND		ug/Kg	4.1	0.8	0.74	338690	04/25/24	04/25/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	4.1	0.7	0.74	338690	04/25/24	04/25/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.1	1.4	0.74	338690	04/25/24	04/25/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
Hexachlorobutadiene	ND		ug/Kg	4.1	1.0	0.74	338690	04/25/24	04/25/24	HMN
Naphthalene	ND		ug/Kg	4.1	1.1	0.74	338690	04/25/24	04/25/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	4.1	0.5	0.74	338690	04/25/24	04/25/24	HMN
Xylene (total)	ND		ug/Kg	4.1		0.74	338690	04/25/24	04/25/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		0.74	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane-d4	108%		%REC	70-145		0.74	338690	04/25/24	04/25/24	HMN
Toluene-d8	94%		%REC	70-145		0.74	338690	04/25/24	04/25/24	HMN
Bromofluorobenzene	98%		%REC	70-145		0.74	338690	04/25/24	04/25/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	11	3.9	1	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	11	1.1	1	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	11	1.4	1	338344	04/21/24	04/24/24	HQN
Phenanthrene	**3.0**	J	ug/Kg	11	2.4	1	338344	04/21/24	04/24/24	HQN
Anthracene	**3.5**	J	ug/Kg	11	1.5	1	338344	04/21/24	04/24/24	HQN
Fluoranthene	**7.6**	J	ug/Kg	11	3.7	1	338344	04/21/24	04/24/24	HQN
Pyrene	**6.7**	J	ug/Kg	11	4.0	1	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	**2.9**	J	ug/Kg	11	1.2	1	338344	04/21/24	04/24/24	HQN
Chrysene	**5.0**	J	ug/Kg	11	1.1	1	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	**8.7**	J	ug/Kg	11	1.0	1	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	**2.9**	J	ug/Kg	11	1.2	1	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	**3.7**	J	ug/Kg	11	1.5	1	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	**4.3**	J,b	ug/Kg	11	1.7	1	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	11	3.1	1	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	**5.1**	J,b	ug/Kg	11	1.8	1	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	84%		%REC	27-125		10	338344	04/21/24	04/25/24	HQN
2-Fluorobiphenyl	80%		%REC	30-120		10	338344	04/21/24	04/25/24	HQN
Terphenyl-d14	80%		%REC	33-155		10	338344	04/21/24	04/25/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

Sample ID: PC 4-0.5	Lab ID: 506595-012	Collected: 04/16/24 10:50
	Matrix: Soil	Basis: Dry

506595-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**4**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.2	0.96	338281	04/19/24	04/21/24	SBW
Arsenic	**2.2**		mg/Kg	1.0	0.59	0.96	338281	04/19/24	04/21/24	SBW
Barium	**19**		mg/Kg	1.0	0.36	0.96	338281	04/19/24	04/21/24	SBW
Beryllium	**0.089**	B,J	mg/Kg	0.50	0.011	0.96	338281	04/19/24	04/21/24	SBW
Cadmium	**0.19**	J	mg/Kg	0.50	0.046	0.96	338281	04/19/24	04/21/24	SBW
Chromium	**8.3**		mg/Kg	1.0	0.12	0.96	338281	04/19/24	04/21/24	SBW
Cobalt	**2.0**		mg/Kg	0.50	0.27	0.96	338281	04/19/24	04/21/24	SBW
Copper	**74**		mg/Kg	1.0	0.20	0.96	338281	04/19/24	04/21/24	SBW
Lead	**18**		mg/Kg	1.0	0.38	0.96	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	0.96	338281	04/19/24	04/21/24	SBW
Nickel	**6.0**		mg/Kg	1.0	0.17	0.96	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.0	0.85	0.96	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.50	0.15	0.96	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.0	0.87	0.96	338281	04/19/24	04/21/24	SBW
Vanadium	**16**		mg/Kg	1.0	0.079	0.96	338281	04/19/24	04/21/24	SBW
Zinc	**32**		mg/Kg	5.0	0.37	0.96	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.039	1.1	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	**57**		mg/Kg	52		5	338322	04/20/24	04/23/24	TJW
DRO C10-C28	**180**		mg/Kg	52	18	5	338322	04/20/24	04/23/24	TJW
ORO C28-C44	**410**		mg/Kg	100	18	5	338322	04/20/24	04/23/24	TJW
Surrogates				**Limits**						
n-Triacontane	129%		%REC	70-130		5	338322	04/20/24	04/23/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.2	1.3	0.99	338342	04/21/24	04/23/24	KLR
beta-BHC	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
gamma-BHC	ND		ug/Kg	5.2	1.1	0.99	338342	04/21/24	04/23/24	KLR
delta-BHC	ND		ug/Kg	5.2	1.4	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Aldrin	ND		ug/Kg	5.2	1.3	0.99	338342	04/21/24	04/23/24	KLR
Heptachlor epoxide	ND		ug/Kg	5.2	1.9	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan I	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Dieldrin	**2.1**	J	ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDE	ND		ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Endrin	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan II	ND		ug/Kg	5.2	1.6	0.99	338342	04/21/24	04/23/24	KLR
Endosulfan sulfate	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDD	ND		ug/Kg	5.2	1.1	0.99	338342	04/21/24	04/23/24	KLR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.2	1.7	0.99	338342	04/21/24	04/23/24	KLR
Endrin ketone	ND		ug/Kg	5.2	1.4	0.99	338342	04/21/24	04/23/24	KLR
4,4'-DDT	**3.1**	J	ug/Kg	5.2	1.5	0.99	338342	04/21/24	04/23/24	KLR
Methoxychlor	ND		ug/Kg	10	5.2	0.99	338342	04/21/24	04/23/24	KLR
Toxaphene	ND		ug/Kg	100	15	0.99	338342	04/21/24	04/23/24	KLR
Chlordane (Technical)	ND		ug/Kg	52	11	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		0.99	338342	04/21/24	04/23/24	KLR
Decachlorobiphenyl	82%		%REC	24-120		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	52	15	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1221	ND		ug/Kg	52	23	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1232	ND		ug/Kg	52	19	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1242	ND		ug/Kg	52	18	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1248	ND		ug/Kg	52	22	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1254	ND		ug/Kg	52	6.8	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1260	ND		ug/Kg	52	25	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1262	ND		ug/Kg	52	17	0.99	338342	04/21/24	04/23/24	KLR
Aroclor-1268	ND		ug/Kg	52	14	0.99	338342	04/21/24	04/23/24	KLR
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	81%		%REC	19-121		0.99	338342	04/21/24	04/23/24	KLR
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.2	1.7	1	338690	04/25/24	04/25/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.2	2.5	1	338690	04/25/24	04/25/24	HMN
Freon 12	ND		ug/Kg	5.2	1.8	1	338690	04/25/24	04/25/24	HMN
Chloromethane	ND		ug/Kg	5.2	2.4	1	338690	04/25/24	04/25/24	HMN
Vinyl Chloride	ND		ug/Kg	5.2	2.3	1	338690	04/25/24	04/25/24	HMN
Bromomethane	ND		ug/Kg	5.2	2.3	1	338690	04/25/24	04/25/24	HMN
Chloroethane	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Trichlorofluoromethane	ND		ug/Kg	5.2	1.5	1	338690	04/25/24	04/25/24	HMN
Acetone	**66**	J	ug/Kg	100	64	1	338690	04/25/24	04/25/24	HMN
Freon 113	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethene	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Methylene Chloride	ND		ug/Kg	5.2	3.8	1	338690	04/25/24	04/25/24	HMN
MTBE	ND		ug/Kg	5.2	1.0	1	338690	04/25/24	04/25/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	5.2	1.3	1	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethane	ND		ug/Kg	5.2	1.8	1	338690	04/25/24	04/25/24	HMN
2-Butanone	ND		ug/Kg	100	7.7	1	338690	04/25/24	04/25/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	5.2	1.8	1	338690	04/25/24	04/25/24	HMN
2,2-Dichloropropane	ND		ug/Kg	5.2	1.0	1	338690	04/25/24	04/25/24	HMN
Chloroform	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
Bromochloromethane	ND		ug/Kg	5.2	1.7	1	338690	04/25/24	04/25/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	5.2	1.3	1	338690	04/25/24	04/25/24	HMN
1,1-Dichloropropene	ND		ug/Kg	5.2	1.3	1	338690	04/25/24	04/25/24	HMN
Carbon Tetrachloride	ND		ug/Kg	5.2	1.6	1	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
Benzene	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
Trichloroethene	ND		ug/Kg	5.2	0.9	1	338690	04/25/24	04/25/24	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	5.2	2.4	1	338690	04/25/24	04/25/24	HMN
Bromodichloromethane	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Dibromomethane	ND		ug/Kg	5.2	1.8	1	338690	04/25/24	04/25/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	5.2	2.2	1	338690	04/25/24	04/25/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	5.2	0.9	1	338690	04/25/24	04/25/24	HMN
Toluene	ND		ug/Kg	5.2	1.3	1	338690	04/25/24	04/25/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	5.2	1.9	1	338690	04/25/24	04/25/24	HMN
1,3-Dichloropropane	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Tetrachloroethene	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
Dibromochloromethane	ND		ug/Kg	5.2	1.0	1	338690	04/25/24	04/25/24	HMN
1,2-Dibromoethane	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Chlorobenzene	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
Ethylbenzene	ND		ug/Kg	5.2	0.9	1	338690	04/25/24	04/25/24	HMN
m,p-Xylenes	ND		ug/Kg	10	2.0	1	338690	04/25/24	04/25/24	HMN
o-Xylene	ND		ug/Kg	5.2	1.1	1	338690	04/25/24	04/25/24	HMN
Styrene	ND		ug/Kg	5.2	1.1	1	338690	04/25/24	04/25/24	HMN
Bromoform	ND		ug/Kg	5.2	0.7	1	338690	04/25/24	04/25/24	HMN
Isopropylbenzene	ND		ug/Kg	5.2	0.7	1	338690	04/25/24	04/25/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.2	2.2	1	338690	04/25/24	04/25/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	5.2	1.6	1	338690	04/25/24	04/25/24	HMN
Propylbenzene	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
Bromobenzene	ND		ug/Kg	5.2	1.1	1	338690	04/25/24	04/25/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	5.2	0.6	1	338690	04/25/24	04/25/24	HMN
2-Chlorotoluene	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
4-Chlorotoluene	ND		ug/Kg	5.2	1.1	1	338690	04/25/24	04/25/24	HMN
tert-Butylbenzene	ND		ug/Kg	5.2	0.6	1	338690	04/25/24	04/25/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	5.2	0.8	1	338690	04/25/24	04/25/24	HMN
sec-Butylbenzene	ND		ug/Kg	5.2	0.7	1	338690	04/25/24	04/25/24	HMN
para-Isopropyl Toluene	**2.5**	J	ug/Kg	5.2	0.7	1	338690	04/25/24	04/25/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	5.2	1.5	1	338690	04/25/24	04/25/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
n-Butylbenzene	ND		ug/Kg	5.2	1.0	1	338690	04/25/24	04/25/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	5.2	0.9	1	338690	04/25/24	04/25/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.2	1.8	1	338690	04/25/24	04/25/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
Hexachlorobutadiene	ND		ug/Kg	5.2	1.2	1	338690	04/25/24	04/25/24	HMN
Naphthalene	ND		ug/Kg	5.2	1.4	1	338690	04/25/24	04/25/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	5.2	0.7	1	338690	04/25/24	04/25/24	HMN
Xylene (total)	ND		ug/Kg	5.2		1	338690	04/25/24	04/25/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane-d4	107%		%REC	70-145		1	338690	04/25/24	04/25/24	HMN
Toluene-d8	97%		%REC	70-145		1	338690	04/25/24	04/25/24	HMN
Bromofluorobenzene	104%		%REC	70-145		1	338690	04/25/24	04/25/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	520	79	50	338344	04/21/24	04/24/24	HQN
2-Methylnaphthalene	ND		ug/Kg	520	78	50	338344	04/21/24	04/24/24	HQN
Naphthalene	ND		ug/Kg	520	190	50	338344	04/21/24	04/24/24	HQN
Acenaphthylene	ND		ug/Kg	520	82	50	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	520	54	50	338344	04/21/24	04/24/24	HQN
Fluorene	ND		ug/Kg	520	64	50	338344	04/21/24	04/24/24	HQN
Phenanthrene	ND		ug/Kg	520	110	50	338344	04/21/24	04/24/24	HQN
Anthracene	ND		ug/Kg	520	72	50	338344	04/21/24	04/24/24	HQN
Fluoranthene	ND		ug/Kg	520	170	50	338344	04/21/24	04/24/24	HQN
Pyrene	ND		ug/Kg	520	190	50	338344	04/21/24	04/24/24	HQN
Benzo(a)anthracene	ND		ug/Kg	520	56	50	338344	04/21/24	04/24/24	HQN
Chrysene	ND		ug/Kg	520	50	50	338344	04/21/24	04/24/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	520	48	50	338344	04/21/24	04/24/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	520	54	50	338344	04/21/24	04/24/24	HQN
Benzo(a)pyrene	ND		ug/Kg	520	69	50	338344	04/21/24	04/24/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	520	79	50	338344	04/21/24	04/24/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	520	150	50	338344	04/21/24	04/24/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	520	85	50	338344	04/21/24	04/24/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	130%	*	%REC	27-125		50	338344	04/21/24	04/24/24	HQN
2-Fluorobiphenyl	94%		%REC	30-120		50	338344	04/21/24	04/24/24	HQN
Terphenyl-d14	81%		%REC	33-155		50	338344	04/21/24	04/24/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

Sample ID: PC 5-1	Lab ID: 506595-013	Collected: 04/16/24 11:30
	Matrix: Soil	Basis: Dry

506595-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216 Prep Method: METHOD										
Moisture, Percent	**8**		%	1		1	338380	04/22/24	04/23/24	ARM
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.2	1.3	0.98	338281	04/19/24	04/21/24	SBW
Arsenic	**3.3**		mg/Kg	1.1	0.63	0.98	338281	04/19/24	04/21/24	SBW
Barium	**18**		mg/Kg	1.1	0.38	0.98	338281	04/19/24	04/21/24	SBW
Beryllium	**0.10**	B,J	mg/Kg	0.53	0.012	0.98	338281	04/19/24	04/21/24	SBW
Cadmium	**0.15**	J	mg/Kg	0.53	0.049	0.98	338281	04/19/24	04/21/24	SBW
Chromium	**8.5**		mg/Kg	1.1	0.13	0.98	338281	04/19/24	04/21/24	SBW
Cobalt	**1.7**		mg/Kg	0.53	0.29	0.98	338281	04/19/24	04/21/24	SBW
Copper	**6.2**		mg/Kg	1.1	0.21	0.98	338281	04/19/24	04/21/24	SBW
Lead	**19**		mg/Kg	1.1	0.40	0.98	338281	04/19/24	04/21/24	SBW
Molybdenum	ND		mg/Kg	1.2	1.2	0.98	338281	04/19/24	04/21/24	SBW
Nickel	**7.8**		mg/Kg	1.1	0.18	0.98	338281	04/19/24	04/21/24	SBW
Selenium	ND		mg/Kg	3.2	0.90	0.98	338281	04/19/24	04/21/24	SBW
Silver	ND		mg/Kg	0.53	0.16	0.98	338281	04/19/24	04/21/24	SBW
Thallium	ND		mg/Kg	3.2	0.93	0.98	338281	04/19/24	04/21/24	SBW
Vanadium	**9.9**		mg/Kg	1.1	0.084	0.98	338281	04/19/24	04/21/24	SBW
Zinc	**40**		mg/Kg	5.3	0.39	0.98	338281	04/19/24	04/21/24	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.18	0.044	1.2	338363	04/22/24	04/22/24	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C6-C12	ND		mg/Kg	11		0.99	338322	04/20/24	04/23/24	TJW
DRO C10-C28	**63**		mg/Kg	11	3.7	0.99	338322	04/20/24	04/23/24	TJW
ORO C28-C44	**120**		mg/Kg	22	3.7	0.99	338322	04/20/24	04/23/24	TJW
Surrogates				**Limits**						
n-Triacontane	121%		%REC	70-130		0.99	338322	04/20/24	04/23/24	TJW
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.5	1.1	1	338386	04/22/24	04/23/24	MES
beta-BHC	ND		ug/Kg	5.5	1.5	1	338386	04/22/24	04/23/24	MES
gamma-BHC	ND		ug/Kg	5.5	1.1	1	338386	04/22/24	04/23/24	MES
delta-BHC	ND		ug/Kg	5.5	1.3	1	338386	04/22/24	04/23/24	MES
Heptachlor	ND		ug/Kg	5.5	1.9	1	338386	04/22/24	04/23/24	MES
Aldrin	ND		ug/Kg	5.5	1.5	1	338386	04/22/24	04/23/24	MES
Heptachlor epoxide	ND		ug/Kg	5.5	1.8	1	338386	04/22/24	04/23/24	MES
Endosulfan I	ND		ug/Kg	5.5	1.5	1	338386	04/22/24	04/23/24	MES
Dieldrin	ND		ug/Kg	5.5	1.7	1	338386	04/22/24	04/23/24	MES
4,4'-DDE	ND		ug/Kg	5.5	1.6	1	338386	04/22/24	04/23/24	MES
Endrin	ND		ug/Kg	5.5	1.8	1	338386	04/22/24	04/23/24	MES
Endosulfan II	ND		ug/Kg	5.5	1.8	1	338386	04/22/24	04/23/24	MES
Endosulfan sulfate	ND		ug/Kg	5.5	2.3	1	338386	04/22/24	04/23/24	MES
4,4'-DDD	ND		ug/Kg	5.5	1.0	1	338386	04/22/24	04/23/24	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	5.5	1.3	1	338386	04/22/24	04/23/24	MES
Endrin ketone	ND		ug/Kg	5.5	1.6	1	338386	04/22/24	04/23/24	MES
4,4'-DDT	ND		ug/Kg	5.5	1.9	1	338386	04/22/24	04/23/24	MES
Methoxychlor	ND		ug/Kg	11	2.5	1	338386	04/22/24	04/23/24	MES
Toxaphene	ND		ug/Kg	110	34	1	338386	04/22/24	04/23/24	MES
Chlordane (Technical)	ND		ug/Kg	55	10	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
TCMX	73%		%REC	23-120		1	338386	04/22/24	04/23/24	MES
Decachlorobiphenyl	60%		%REC	24-120		1	338386	04/22/24	04/23/24	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	55	14	1	338386	04/22/24	04/23/24	MES
Aroclor-1221	ND		ug/Kg	55	12	1	338386	04/22/24	04/23/24	MES
Aroclor-1232	ND		ug/Kg	55	12	1	338386	04/22/24	04/23/24	MES
Aroclor-1242	ND		ug/Kg	55	18	1	338386	04/22/24	04/23/24	MES
Aroclor-1248	ND		ug/Kg	55	18	1	338386	04/22/24	04/23/24	MES
Aroclor-1254	ND		ug/Kg	55	17	1	338386	04/22/24	04/23/24	MES
Aroclor-1260	ND		ug/Kg	55	25	1	338386	04/22/24	04/23/24	MES
Aroclor-1262	ND		ug/Kg	55	14	1	338386	04/22/24	04/23/24	MES
Aroclor-1268	ND		ug/Kg	55	16	1	338386	04/22/24	04/23/24	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	75%		%REC	19-121		1	338386	04/22/24	04/23/24	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	1.4	0.82	338690	04/25/24	04/25/24	HMN
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	2.2	0.82	338690	04/25/24	04/25/24	HMN
Freon 12	ND		ug/Kg	4.5	1.6	0.82	338690	04/25/24	04/25/24	HMN
Chloromethane	ND		ug/Kg	4.5	2.0	0.82	338690	04/25/24	04/25/24	HMN
Vinyl Chloride	ND		ug/Kg	4.5	2.0	0.82	338690	04/25/24	04/25/24	HMN
Bromomethane	ND		ug/Kg	4.5	2.0	0.82	338690	04/25/24	04/25/24	HMN
Chloroethane	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Trichlorofluoromethane	ND		ug/Kg	4.5	1.3	0.82	338690	04/25/24	04/25/24	HMN
Acetone	ND		ug/Kg	89	54	0.82	338690	04/25/24	04/25/24	HMN
Freon 113	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethene	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Methylene Chloride	ND		ug/Kg	4.5	3.3	0.82	338690	04/25/24	04/25/24	HMN
MTBE	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	1.1	0.82	338690	04/25/24	04/25/24	HMN
1,1-Dichloroethane	ND		ug/Kg	4.5	1.6	0.82	338690	04/25/24	04/25/24	HMN
2-Butanone	ND		ug/Kg	89	6.5	0.82	338690	04/25/24	04/25/24	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	1.5	0.82	338690	04/25/24	04/25/24	HMN
2,2-Dichloropropane	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
Chloroform	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
Bromochloromethane	ND		ug/Kg	4.5	1.4	0.82	338690	04/25/24	04/25/24	HMN
1,1,1-Trichloroethane	ND		ug/Kg	4.5	1.1	0.82	338690	04/25/24	04/25/24	HMN
1,1-Dichloropropene	ND		ug/Kg	4.5	1.1	0.82	338690	04/25/24	04/25/24	HMN
Carbon Tetrachloride	ND		ug/Kg	4.5	1.3	0.82	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
Benzene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
Trichloroethene	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 506595

506595-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloropropane	ND		ug/Kg	4.5	2.1	0.82	338690	04/25/24	04/25/24	HMN
Bromodichloromethane	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Dibromomethane	ND		ug/Kg	4.5	1.6	0.82	338690	04/25/24	04/25/24	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	1.8	0.82	338690	04/25/24	04/25/24	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
Toluene	ND		ug/Kg	4.5	1.1	0.82	338690	04/25/24	04/25/24	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
1,1,2-Trichloroethane	ND		ug/Kg	4.5	1.6	0.82	338690	04/25/24	04/25/24	HMN
1,3-Dichloropropane	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Tetrachloroethene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
Dibromochloromethane	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
1,2-Dibromoethane	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Chlorobenzene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
Ethylbenzene	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
m,p-Xylenes	ND		ug/Kg	8.9	1.7	0.82	338690	04/25/24	04/25/24	HMN
o-Xylene	ND		ug/Kg	4.5	0.9	0.82	338690	04/25/24	04/25/24	HMN
Styrene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
Bromoform	ND		ug/Kg	4.5	0.6	0.82	338690	04/25/24	04/25/24	HMN
Isopropylbenzene	ND		ug/Kg	4.5	0.6	0.82	338690	04/25/24	04/25/24	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	1.9	0.82	338690	04/25/24	04/25/24	HMN
1,2,3-Trichloropropane	ND		ug/Kg	4.5	1.3	0.82	338690	04/25/24	04/25/24	HMN
Propylbenzene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
Bromobenzene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.5	0.82	338690	04/25/24	04/25/24	HMN
2-Chlorotoluene	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
4-Chlorotoluene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
tert-Butylbenzene	ND		ug/Kg	4.5	0.5	0.82	338690	04/25/24	04/25/24	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
sec-Butylbenzene	ND		ug/Kg	4.5	0.6	0.82	338690	04/25/24	04/25/24	HMN
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.6	0.82	338690	04/25/24	04/25/24	HMN
1,3-Dichlorobenzene	ND		ug/Kg	4.5	1.3	0.82	338690	04/25/24	04/25/24	HMN
1,4-Dichlorobenzene	ND		ug/Kg	4.5	1.0	0.82	338690	04/25/24	04/25/24	HMN
n-Butylbenzene	ND		ug/Kg	4.5	0.8	0.82	338690	04/25/24	04/25/24	HMN
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.7	0.82	338690	04/25/24	04/25/24	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	1.5	0.82	338690	04/25/24	04/25/24	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
Hexachlorobutadiene	ND		ug/Kg	4.5	1.1	0.82	338690	04/25/24	04/25/24	HMN
Naphthalene	ND		ug/Kg	4.5	1.2	0.82	338690	04/25/24	04/25/24	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.6	0.82	338690	04/25/24	04/25/24	HMN
Xylene (total)	ND		ug/Kg	4.5		0.82	338690	04/25/24	04/25/24	HMN
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		0.82	338690	04/25/24	04/25/24	HMN
1,2-Dichloroethane-d4	109%		%REC	70-145		0.82	338690	04/25/24	04/25/24	HMN
Toluene-d8	96%		%REC	70-145		0.82	338690	04/25/24	04/25/24	HMN
Bromofluorobenzene	96%		%REC	70-145		0.82	338690	04/25/24	04/25/24	HMN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	270	42	25	338344	04/21/24	04/26/24	HQN
2-Methylnaphthalene	ND		ug/Kg	270	41	25	338344	04/21/24	04/26/24	HQN
Naphthalene	ND		ug/Kg	270	98	25	338344	04/21/24	04/26/24	HQN
Acenaphthylene	ND		ug/Kg	270	43	25	338344	04/21/24	04/26/24	HQN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 506595

506595-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acenaphthene	ND		ug/Kg	270	28	25	338344	04/21/24	04/26/24	HQN
Fluorene	ND		ug/Kg	270	34	25	338344	04/21/24	04/26/24	HQN
Phenanthrene	ND		ug/Kg	270	60	25	338344	04/21/24	04/26/24	HQN
Anthracene	ND		ug/Kg	270	38	25	338344	04/21/24	04/26/24	HQN
Fluoranthene	ND		ug/Kg	270	92	25	338344	04/21/24	04/26/24	HQN
Pyrene	ND		ug/Kg	270	99	25	338344	04/21/24	04/26/24	HQN
Benzo(a)anthracene	ND		ug/Kg	270	30	25	338344	04/21/24	04/26/24	HQN
Chrysene	ND		ug/Kg	270	26	25	338344	04/21/24	04/26/24	HQN
Benzo(b)fluoranthene	ND		ug/Kg	270	25	25	338344	04/21/24	04/26/24	HQN
Benzo(k)fluoranthene	ND		ug/Kg	270	29	25	338344	04/21/24	04/26/24	HQN
Benzo(a)pyrene	ND		ug/Kg	270	37	25	338344	04/21/24	04/26/24	HQN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	270	42	25	338344	04/21/24	04/26/24	HQN
Dibenz(a,h)anthracene	ND		ug/Kg	270	77	25	338344	04/21/24	04/26/24	HQN
Benzo(g,h,i)perylene	ND		ug/Kg	270	45	25	338344	04/21/24	04/26/24	HQN
Surrogates				**Limits**						
Nitrobenzene-d5	102%		%REC	27-125		25	338344	04/21/24	04/26/24	HQN
2-Fluorobiphenyl	91%		%REC	30-120		25	338344	04/21/24	04/26/24	HQN
Terphenyl-d14	86%		%REC	33-155		25	338344	04/21/24	04/26/24	HQN

* Value is outside QC limits
B Contamination found in associated Method Blank
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1146643	Batch:	338380
Matrix (Source ID):	Soil (506655-002)	Method:	ASTM D2216	Prep Method:	METHOD

QC1146643 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	8.678	9.161	%		5	20		1

Type:	Blank	Lab ID:	QC1146206	Batch:	338281
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1146206 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.2	04/19/24	04/21/24
Arsenic	ND		mg/Kg	1.0	0.59	04/19/24	04/21/24
Barium	ND		mg/Kg	1.0	0.36	04/19/24	04/21/24
Beryllium	0.011	J	mg/Kg	0.50	0.011	04/19/24	04/21/24
Cadmium	ND		mg/Kg	0.50	0.046	04/19/24	04/21/24
Chromium	ND		mg/Kg	1.0	0.12	04/19/24	04/21/24
Cobalt	ND		mg/Kg	0.50	0.27	04/19/24	04/21/24
Copper	ND		mg/Kg	1.0	0.20	04/19/24	04/21/24
Lead	ND		mg/Kg	1.0	0.38	04/19/24	04/21/24
Molybdenum	ND		mg/Kg	1.1	1.1	04/19/24	04/21/24
Nickel	ND		mg/Kg	1.0	0.17	04/19/24	04/21/24
Selenium	ND		mg/Kg	3.0	0.84	04/19/24	04/21/24
Silver	ND		mg/Kg	0.50	0.15	04/19/24	04/21/24
Thallium	ND		mg/Kg	3.0	0.87	04/19/24	04/21/24
Vanadium	ND		mg/Kg	1.0	0.078	04/19/24	04/21/24
Zinc	ND		mg/Kg	5.0	0.37	04/19/24	04/21/24

Type:	Lab Control Sample	Lab ID:	QC1146207	Batch:	338281
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1146207 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.85	100.0	mg/Kg	100%		80-120
Arsenic	99.20	100.0	mg/Kg	99%		80-120
Barium	102.0	100.0	mg/Kg	102%		80-120
Beryllium	103.4	100.0	mg/Kg	103%		80-120
Cadmium	102.1	100.0	mg/Kg	102%		80-120
Chromium	98.45	100.0	mg/Kg	98%		80-120
Cobalt	105.4	100.0	mg/Kg	105%		80-120
Copper	98.71	100.0	mg/Kg	99%		80-120
Lead	104.1	100.0	mg/Kg	104%		80-120
Molybdenum	98.41	100.0	mg/Kg	98%		80-120
Nickel	103.3	100.0	mg/Kg	103%		80-120
Selenium	94.56	100.0	mg/Kg	95%		80-120
Silver	48.04	50.00	mg/Kg	96%		80-120
Thallium	108.2	100.0	mg/Kg	108%		80-120
Vanadium	99.72	100.0	mg/Kg	100%		80-120
Zinc	103.1	100.0	mg/Kg	103%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146208**	**Batch:**	**338281**
Matrix (Source ID):	**Soil (506595-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146208 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	61.67	ND	104.2	mg/Kg	59%	*	75-125	0.99
Arsenic	104.8	2.037	104.2	mg/Kg	99%		75-125	0.99
Barium	129.6	20.42	104.2	mg/Kg	105%		75-125	0.99
Beryllium	107.6	0.1417	104.2	mg/Kg	103%		75-125	0.99
Cadmium	104.9	0.09804	104.2	mg/Kg	101%		75-125	0.99
Chromium	113.8	10.27	104.2	mg/Kg	99%		75-125	0.99
Cobalt	109.4	2.504	104.2	mg/Kg	103%		75-125	0.99
Copper	115.0	10.34	104.2	mg/Kg	100%		75-125	0.99
Lead	133.6	26.61	104.2	mg/Kg	103%		75-125	0.99
Molybdenum	100.2	ND	104.2	mg/Kg	96%		75-125	0.99
Nickel	116.0	10.67	104.2	mg/Kg	101%		75-125	0.99
Selenium	99.41	ND	104.2	mg/Kg	95%		75-125	0.99
Silver	49.85	ND	52.11	mg/Kg	96%		75-125	0.99
Thallium	109.7	ND	104.2	mg/Kg	105%		75-125	0.99
Vanadium	121.8	14.49	104.2	mg/Kg	103%		75-125	0.99
Zinc	125.4	21.09	104.2	mg/Kg	100%		75-125	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146209**	**Batch:**	**338281**
Matrix (Source ID):	**Soil (506595-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146209 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	63.24	ND	101.2	mg/Kg	62%	*	75-125	5	41	0.96
Arsenic	107.3	2.037	101.2	mg/Kg	104%		75-125	5	35	0.96
Barium	129.9	20.42	101.2	mg/Kg	108%		75-125	3	20	0.96
Beryllium	110.0	0.1417	101.2	mg/Kg	109%		75-125	5	20	0.96
Cadmium	106.6	0.09804	101.2	mg/Kg	105%		75-125	5	20	0.96
Chromium	115.5	10.27	101.2	mg/Kg	104%		75-125	4	20	0.96
Cobalt	111.6	2.504	101.2	mg/Kg	108%		75-125	5	20	0.96
Copper	117.7	10.34	101.2	mg/Kg	106%		75-125	5	20	0.96
Lead	134.9	26.61	101.2	mg/Kg	107%		75-125	3	20	0.96
Molybdenum	102.5	ND	101.2	mg/Kg	101%		75-125	5	20	0.96
Nickel	118.3	10.67	101.2	mg/Kg	106%		75-125	5	20	0.96
Selenium	101.2	ND	101.2	mg/Kg	100%		75-125	5	20	0.96
Silver	51.00	ND	50.61	mg/Kg	101%		75-125	5	20	0.96
Thallium	112.6	ND	101.2	mg/Kg	111%		75-125	6	20	0.96
Vanadium	124.1	14.49	101.2	mg/Kg	108%		75-125	4	20	0.96
Zinc	128.5	21.09	101.2	mg/Kg	106%		75-125	5	20	0.96

ENTHALPY ANALYTICAL

Batch QC

Type:	**Post Digest Spike**	**Lab ID:**	**QC1146210**	**Batch:**	**338281**
Matrix (Source ID):	**Soil (506595-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**
				Basis:	**Dry**

QC1146210 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	98.50	ND	100.3	mg/Kg	98%		75-125	0.95
Arsenic	99.53	2.037	100.3	mg/Kg	97%		75-125	0.95
Barium	118.6	20.42	100.3	mg/Kg	98%		75-125	0.95
Beryllium	101.1	0.1417	100.3	mg/Kg	101%		75-125	0.95
Cadmium	98.32	0.09804	100.3	mg/Kg	98%		75-125	0.95
Chromium	105.2	10.27	100.3	mg/Kg	95%		75-125	0.95
Cobalt	103.1	2.504	100.3	mg/Kg	100%		75-125	0.95
Copper	109.0	10.34	100.3	mg/Kg	98%		75-125	0.95
Lead	125.3	26.61	100.3	mg/Kg	98%		75-125	0.95
Molybdenum	97.94	ND	100.3	mg/Kg	98%		75-125	0.95
Nickel	109.1	10.67	100.3	mg/Kg	98%		75-125	0.95
Selenium	94.81	ND	100.3	mg/Kg	95%		75-125	0.95
Silver	47.58	ND	50.13	mg/Kg	95%		75-125	0.95
Thallium	103.5	ND	100.3	mg/Kg	103%		75-125	0.95
Vanadium	112.3	14.49	100.3	mg/Kg	98%		75-125	0.95
Zinc	119.1	21.09	100.3	mg/Kg	98%		75-125	0.95

Type:	**Blank**	**Lab ID:**	**QC1146584**	**Batch:**	**338363**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1146584 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.035	04/22/24	04/22/24

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146585**	**Batch:**	**338363**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1146585 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8849	0.8333	mg/Kg	106%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1146586**	**Batch:**	**338363**
Matrix (Source ID):	**Soil (506595-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1146586 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.061	ND	1.012	mg/Kg	105%		75-125	1.2

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146587**	**Batch:**	**338363**
Matrix (Source ID):	**Soil (506595-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**
				Basis:	**Dry**

QC1146587 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.011	ND	0.9747	mg/Kg	104%		75-125	1	20	1.1

Type: **Blank**	**Lab ID:** **QC1146378**	**Batch:** **338322**	
Matrix: **Soil**	**Method:** **EPA 8015M**	**Prep Method:** **EPA 3580M**	

QC1146378 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C6-C12	ND		mg/Kg	10		04/20/24	04/22/24
DRO C10-C28	ND		mg/Kg	10	3.5	04/20/24	04/22/24
ORO C28-C44	ND		mg/Kg	20	3.5	04/20/24	04/22/24
Surrogates				**Limits**			
n-Triacontane	107%		%REC	70-130		04/20/24	04/22/24

Type: **Lab Control Sample**	**Lab ID:** **QC1146379**	**Batch:** **338322**	
Matrix: **Soil**	**Method:** **EPA 8015M**	**Prep Method:** **EPA 3580M**	

QC1146379 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	232.2	248.1	mg/Kg	94%		76-122
Surrogates						
n-Triacontane	11.29	9.926	mg/Kg	114%		70-130

Type: **Matrix Spike**	**Lab ID:** **QC1146380**	**Batch:** **338322**	
Matrix (Source ID): **Soil (506595-001)**	**Method:** **EPA 8015M**	**Prep Method:** **EPA 3580M**	
		Basis: **Dry**	

QC1146380 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	260.6	9.242	260.9	mg/Kg	96%		62-126	0.99
Surrogates								
n-Triacontane	12.91		10.44	mg/Kg	124%		70-130	0.99

Type: **Matrix Spike Duplicate**	**Lab ID:** **QC1146381**	**Batch:** **338322**	
Matrix (Source ID): **Soil (506595-001)**	**Method:** **EPA 8015M**	**Prep Method:** **EPA 3580M**	
		Basis: **Dry**	

QC1146381 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	247.8	9.242	263.2	mg/Kg	91%		62-126	6	35	1
Surrogates										
n-Triacontane	12.50		10.53	mg/Kg	119%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1146472	Batch: 338342
Matrix: Soil		

QC1146472 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/21/24	04/23/24
beta-BHC	ND		ug/Kg	5.0	1.7	04/21/24	04/23/24
gamma-BHC	ND		ug/Kg	5.0	1.0	04/21/24	04/23/24
delta-BHC	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
Heptachlor	ND		ug/Kg	5.0	1.5	04/21/24	04/23/24
Aldrin	ND		ug/Kg	5.0	1.3	04/21/24	04/23/24
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/21/24	04/23/24
Endosulfan I	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
Dieldrin	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
Endrin	ND		ug/Kg	5.0	1.6	04/21/24	04/23/24
Endosulfan II	ND		ug/Kg	5.0	1.6	04/21/24	04/23/24
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/21/24	04/23/24
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/21/24	04/23/24
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/21/24	04/23/24
Endrin ketone	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/21/24	04/23/24
Methoxychlor	ND		ug/Kg	10	5.1	04/21/24	04/23/24
Toxaphene	ND		ug/Kg	100	15	04/21/24	04/23/24
Chlordane (Technical)	ND		ug/Kg	50	11	04/21/24	04/23/24
Surrogates				**Limits**			
TCMX	109%		%REC	23-120		04/21/24	04/23/24
Decachlorobiphenyl	108%		%REC	24-120		04/21/24	04/23/24
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/21/24	04/23/24
Aroclor-1221	ND		ug/Kg	50	23	04/21/24	04/23/24
Aroclor-1232	ND		ug/Kg	50	19	04/21/24	04/23/24
Aroclor-1242	ND		ug/Kg	50	18	04/21/24	04/23/24
Aroclor-1248	ND		ug/Kg	50	21	04/21/24	04/23/24
Aroclor-1254	ND		ug/Kg	50	6.6	04/21/24	04/23/24
Aroclor-1260	ND		ug/Kg	50	24	04/21/24	04/23/24
Aroclor-1262	ND		ug/Kg	50	16	04/21/24	04/23/24
Aroclor-1268	ND		ug/Kg	50	13	04/21/24	04/23/24
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	113%		%REC	19-121		04/21/24	04/23/24

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1146473**	**Batch: 338342**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1146473 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	48.54	49.50	ug/Kg	98%		22-129
beta-BHC	49.79	49.50	ug/Kg	101%		28-125
gamma-BHC	50.28	49.50	ug/Kg	102%		22-128
delta-BHC	51.37	49.50	ug/Kg	104%		24-131
Heptachlor	47.09	49.50	ug/Kg	95%		18-124
Aldrin	51.63	49.50	ug/Kg	104%		23-120
Heptachlor epoxide	44.83	49.50	ug/Kg	91%		26-120
Endosulfan I	45.22	49.50	ug/Kg	91%		25-126
Dieldrin	47.05	49.50	ug/Kg	95%		23-124
4,4'-DDE	48.40	49.50	ug/Kg	98%		28-121
Endrin	48.29	49.50	ug/Kg	98%		25-127
Endosulfan II	48.07	49.50	ug/Kg	97%		29-121
Endosulfan sulfate	45.25	49.50	ug/Kg	91%		30-121
4,4'-DDD	50.49	49.50	ug/Kg	102%	#	26-120
Endrin aldehyde	9.027	49.50	ug/Kg	18%		10-120
Endrin ketone	50.17	49.50	ug/Kg	101%		28-125
4,4'-DDT	54.02	49.50	ug/Kg	109%	#	22-125
Methoxychlor	57.05	49.50	ug/Kg	115%		28-130
Surrogates						
TCMX	46.76	49.50	ug/Kg	94%		23-120
Decachlorobiphenyl	52.02	49.50	ug/Kg	105%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146474**	**Batch:**	**338342**
Matrix (Source ID):	**Soil (506496-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1146474 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	53.81	ND	49.50	ug/Kg	109%		46-120	0.99
beta-BHC	55.75	ND	49.50	ug/Kg	113%		41-120	0.99
gamma-BHC	55.89	ND	49.50	ug/Kg	113%		41-120	0.99
delta-BHC	52.07	ND	49.50	ug/Kg	105%		38-123	0.99
Heptachlor	54.62	ND	49.50	ug/Kg	110%		39-120	0.99
Aldrin	54.08	ND	49.50	ug/Kg	109%		34-120	0.99
Heptachlor epoxide	49.63	ND	49.50	ug/Kg	100%		43-120	0.99
Endosulfan I	52.69	ND	49.50	ug/Kg	106%		45-120	0.99
Dieldrin	53.95	ND	49.50	ug/Kg	109%		45-120	0.99
4,4'-DDE	74.52	26.22	49.50	ug/Kg	98%		34-120	0.99
Endrin	53.68	ND	49.50	ug/Kg	108%		40-120	0.99
Endosulfan II	52.03	ND	49.50	ug/Kg	105%		41-120	0.99
Endosulfan sulfate	49.71	ND	49.50	ug/Kg	100%		42-120	0.99
4,4'-DDD	51.21	ND	49.50	ug/Kg	103%		41-120	0.99
Endrin aldehyde	44.45	ND	49.50	ug/Kg	90%		30-120	0.99
Endrin ketone	52.67	ND	49.50	ug/Kg	106%	#	45-120	0.99
4,4'-DDT	59.42	ND	49.50	ug/Kg	120%		35-127	0.99
Methoxychlor	65.85	ND	49.50	ug/Kg	133%		42-136	0.99
Surrogates								
TCMX	49.45		49.50	ug/Kg	100%		23-120	0.99
Decachlorobiphenyl	50.87		49.50	ug/Kg	103%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146475**	**Batch:**	**338342**
Matrix (Source ID):	**Soil (506496-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1146475 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	55.70	ND	51.02	ug/Kg	109%		46-120	0	30	1
beta-BHC	53.13	ND	51.02	ug/Kg	104%		41-120	8	30	1
gamma-BHC	56.35	ND	51.02	ug/Kg	110%		41-120	2	30	1
delta-BHC	50.14	ND	51.02	ug/Kg	98%		38-123	7	30	1
Heptachlor	55.15	ND	51.02	ug/Kg	108%		39-120	2	30	1
Aldrin	53.06	ND	51.02	ug/Kg	104%		34-120	5	30	1
Heptachlor epoxide	47.29	ND	51.02	ug/Kg	93%		43-120	8	30	1
Endosulfan I	50.16	ND	51.02	ug/Kg	98%		45-120	8	30	1
Dieldrin	52.70	ND	51.02	ug/Kg	103%		45-120	5	30	1
4,4'-DDE	71.39	26.22	51.02	ug/Kg	89%		34-120	6	30	1
Endrin	52.49	ND	51.02	ug/Kg	103%		40-120	5	30	1
Endosulfan II	48.17	ND	51.02	ug/Kg	94%		41-120	11	30	1
Endosulfan sulfate	44.74	ND	51.02	ug/Kg	88%		42-120	14	30	1
4,4'-DDD	48.87	ND	51.02	ug/Kg	96%		41-120	8	30	1
Endrin aldehyde	39.26	ND	51.02	ug/Kg	77%		30-120	15	30	1
Endrin ketone	47.58	ND	51.02	ug/Kg	93%	#	45-120	13	30	1
4,4'-DDT	55.09	ND	51.02	ug/Kg	108%		35-127	11	30	1
Methoxychlor	56.34	ND	51.02	ug/Kg	110%		42-136	19	30	1
Surrogates										
TCMX	47.60		51.02	ug/Kg	93%		23-120			1
Decachlorobiphenyl	44.28		51.02	ug/Kg	87%		24-120			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146476**	**Batch:**	**338342**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1146476 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	657.5	500.0	ug/Kg	131%		14-150
Aroclor-1260	590.3	500.0	ug/Kg	118%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	53.29	50.00	ug/Kg	107%		19-121

Type:	**Matrix Spike**	**Lab ID:**	**QC1146477**	**Batch:**	**338342**
Matrix (Source ID):	**Soil (506595-008)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146477 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	620.8	ND	560.7	ug/Kg	111%		42-127	1
Aroclor-1260	622.0	ND	560.7	ug/Kg	111%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	59.05		56.07	ug/Kg	105%		19-121	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146478**	**Batch:**	**338342**
Matrix (Source ID):	**Soil (506595-008)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146478 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	567.8	ND	544.0	ug/Kg	104%		42-127	6	30	0.99
Aroclor-1260	559.9	ND	544.0	ug/Kg	103%		38-130	7	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	49.64		54.40	ug/Kg	91%		19-121			0.99

Type:	**Blank**	**Lab ID:**	**QC1146665**	**Batch:**	**338386**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1146665 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	14	04/22/24	04/23/24
Aroclor-1221	ND		ug/Kg	50	23	04/22/24	04/23/24
Aroclor-1232	ND		ug/Kg	50	19	04/22/24	04/23/24
Aroclor-1242	ND		ug/Kg	50	18	04/22/24	04/23/24
Aroclor-1248	ND		ug/Kg	50	21	04/22/24	04/23/24
Aroclor-1254	ND		ug/Kg	50	6.6	04/22/24	04/23/24
Aroclor-1260	ND		ug/Kg	50	25	04/22/24	04/23/24
Aroclor-1262	ND		ug/Kg	50	16	04/22/24	04/23/24
Aroclor-1268	ND		ug/Kg	50	14	04/22/24	04/23/24
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	89%		%REC	19-121		04/22/24	04/23/24

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146673**	**Batch:**	**338386**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1146673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	488.5	495.0	ug/Kg	99%		14-150
Aroclor-1260	482.7	495.0	ug/Kg	98%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	52.88	49.50	ug/Kg	107%		19-121

Type:	**Matrix Spike**	**Lab ID:**	**QC1146674**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-014)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	457.2	ND	500.1	ug/Kg	91%		42-127	0.99
Aroclor-1260	440.4	ND	500.1	ug/Kg	88%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	32.65		50.01	ug/Kg	65%		19-121	0.99

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146675**	**Batch:**	**338386**
Matrix (Source ID):	**Soil (506597-014)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	512.6	ND	500.1	ug/Kg	103%		42-127	11	30	0.99
Aroclor-1260	568.1	ND	500.1	ug/Kg	114%		38-130	25	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	42.95		50.01	ug/Kg	86%		19-121			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1147272**	**Batch:**	**338583**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1147272 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.35	50.00	ug/Kg	99%		70-131
MTBE	53.00	50.00	ug/Kg	106%		69-130
Benzene	52.42	50.00	ug/Kg	105%		70-130
Trichloroethene	57.46	50.00	ug/Kg	115%		70-130
Toluene	52.56	50.00	ug/Kg	105%		70-130
Chlorobenzene	52.70	50.00	ug/Kg	105%		70-130
Surrogates						
Dibromofluoromethane	47.87	50.00	ug/Kg	96%		70-130
1,2-Dichloroethane-d4	49.88	50.00	ug/Kg	100%		70-145
Toluene-d8	49.12	50.00	ug/Kg	98%		70-145
Bromofluorobenzene	48.17	50.00	ug/Kg	96%		70-145

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1147273**	**Batch:**	**338583**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1147273 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.47	50.00	ug/Kg	95%		70-131	4	33
MTBE	51.88	50.00	ug/Kg	104%		69-130	2	30
Benzene	51.46	50.00	ug/Kg	103%		70-130	2	30
Trichloroethene	54.94	50.00	ug/Kg	110%		70-130	4	30
Toluene	50.97	50.00	ug/Kg	102%		70-130	3	30
Chlorobenzene	51.32	50.00	ug/Kg	103%		70-130	3	30
Surrogates								
Dibromofluoromethane	47.38	50.00	ug/Kg	95%		70-130		
1,2-Dichloroethane-d4	49.54	50.00	ug/Kg	99%		70-145		
Toluene-d8	48.50	50.00	ug/Kg	97%		70-145		
Bromofluorobenzene	47.21	50.00	ug/Kg	94%		70-145		

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1147274	Batch:	338583
Matrix (Source ID):	Soil (506601-010)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1147274 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	49.67	ND	50.00	ug/Kg	99%		70-141	1
MTBE	52.50	ND	50.00	ug/Kg	105%		59-130	1
Benzene	51.14	ND	50.00	ug/Kg	102%		70-130	1
Trichloroethene	54.77	ND	50.00	ug/Kg	110%		69-130	1
Toluene	50.69	ND	50.00	ug/Kg	101%		70-130	1
Chlorobenzene	51.27	ND	50.00	ug/Kg	103%		70-130	1
Surrogates								
Dibromofluoromethane	48.42		50.00	ug/Kg	97%		70-145	1
1,2-Dichloroethane-d4	48.92		50.00	ug/Kg	98%		70-145	1
Toluene-d8	48.81		50.00	ug/Kg	98%		70-145	1
Bromofluorobenzene	48.75		50.00	ug/Kg	98%		70-145	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1147275	Batch:	338583
Matrix (Source ID):	Soil (506601-010)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1147275 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	47.67	ND	50.00	ug/Kg	95%		70-141	4	43	1
MTBE	50.84	ND	50.00	ug/Kg	102%		59-130	3	30	1
Benzene	49.41	ND	50.00	ug/Kg	99%		70-130	3	30	1
Trichloroethene	52.82	ND	50.00	ug/Kg	106%		69-130	4	30	1
Toluene	48.46	ND	50.00	ug/Kg	97%		70-130	4	30	1
Chlorobenzene	50.07	ND	50.00	ug/Kg	100%		70-130	2	30	1
Surrogates										
Dibromofluoromethane	47.49		50.00	ug/Kg	95%		70-145			1
1,2-Dichloroethane-d4	49.21		50.00	ug/Kg	98%		70-145			1
Toluene-d8	48.17		50.00	ug/Kg	96%		70-145			1
Bromofluorobenzene	48.36		50.00	ug/Kg	97%		70-145			1

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Batch QC

Type: Blank	Lab ID: QC1147276	Batch: 338583
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1147276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	04/23/24	04/23/24
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	2.4	04/23/24	04/23/24
Freon 12	ND		ug/Kg	5.0	1.8	04/23/24	04/23/24
Chloromethane	ND		ug/Kg	5.0	2.3	04/23/24	04/23/24
Vinyl Chloride	ND		ug/Kg	5.0	2.2	04/23/24	04/23/24
Bromomethane	ND		ug/Kg	5.0	2.2	04/23/24	04/23/24
Chloroethane	ND		ug/Kg	5.0	1.4	04/23/24	04/23/24
Trichlorofluoromethane	ND		ug/Kg	5.0	1.4	04/23/24	04/23/24
Acetone	ND		ug/Kg	100	61	04/23/24	04/23/24
Freon 113	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
1,1-Dichloroethene	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
Methylene Chloride	ND		ug/Kg	5.0	3.7	04/23/24	04/23/24
MTBE	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/23/24	04/23/24
1,1-Dichloroethane	ND		ug/Kg	5.0	1.7	04/23/24	04/23/24
2-Butanone	ND		ug/Kg	100	7.3	04/23/24	04/23/24
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	04/23/24	04/23/24
2,2-Dichloropropane	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
Chloroform	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
Bromochloromethane	ND		ug/Kg	5.0	1.6	04/23/24	04/23/24
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.2	04/23/24	04/23/24
1,1-Dichloropropene	ND		ug/Kg	5.0	1.2	04/23/24	04/23/24
Carbon Tetrachloride	ND		ug/Kg	5.0	1.5	04/23/24	04/23/24
1,2-Dichloroethane	ND		ug/Kg	5.0	1.2	04/23/24	04/23/24
Benzene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
Trichloroethene	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
1,2-Dichloropropane	ND		ug/Kg	5.0	2.3	04/23/24	04/23/24
Bromodichloromethane	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
Dibromomethane	ND		ug/Kg	5.0	1.8	04/23/24	04/23/24
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	2.1	04/23/24	04/23/24
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
Toluene	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.8	04/23/24	04/23/24
1,3-Dichloropropane	ND		ug/Kg	5.0	1.4	04/23/24	04/23/24
Tetrachloroethene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
Dibromochloromethane	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
1,2-Dibromoethane	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
Chlorobenzene	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
Ethylbenzene	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
m,p-Xylenes	ND		ug/Kg	10	1.9	04/23/24	04/23/24
o-Xylene	ND		ug/Kg	5.0	1.0	04/23/24	04/23/24
Styrene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
Bromoform	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
Isopropylbenzene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24

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Batch QC

QC1147276 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	2.1	04/23/24	04/23/24
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.5	04/23/24	04/23/24
Propylbenzene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
Bromobenzene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.6	04/23/24	04/23/24
2-Chlorotoluene	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
4-Chlorotoluene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
tert-Butylbenzene	ND		ug/Kg	5.0	0.6	04/23/24	04/23/24
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
sec-Butylbenzene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.4	04/23/24	04/23/24
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.1	04/23/24	04/23/24
n-Butylbenzene	ND		ug/Kg	5.0	0.9	04/23/24	04/23/24
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.8	04/23/24	04/23/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.7	04/23/24	04/23/24
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
Hexachlorobutadiene	ND		ug/Kg	5.0	1.2	04/23/24	04/23/24
Naphthalene	ND		ug/Kg	5.0	1.3	04/23/24	04/23/24
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	04/23/24	04/23/24
Xylene (total)	ND		ug/Kg	5.0		04/23/24	04/23/24
Surrogates				**Limits**			
Dibromofluoromethane	91%		%REC	70-130		04/23/24	04/23/24
1,2-Dichloroethane-d4	97%		%REC	70-145		04/23/24	04/23/24
Toluene-d8	98%		%REC	70-145		04/23/24	04/23/24
Bromofluorobenzene	97%		%REC	70-145		04/23/24	04/23/24

Type: Matrix Spike **Lab ID:** QC1147660 **Batch:** 338690
Matrix (Source ID): Soil (506629-016) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1147660 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	47.50	ND	50.00	ug/Kg	95%		70-141	1
MTBE	42.74	ND	50.00	ug/Kg	85%		59-130	1
Benzene	44.26	ND	50.00	ug/Kg	89%		70-130	1
Trichloroethene	43.27	ND	50.00	ug/Kg	87%		69-130	1
Toluene	40.60	ND	50.00	ug/Kg	81%		70-130	1
Chlorobenzene	36.72	ND	50.00	ug/Kg	73%		70-130	1
Surrogates								
Dibromofluoromethane	47.98		50.00	ug/Kg	96%		70-145	1
1,2-Dichloroethane-d4	52.49		50.00	ug/Kg	105%		70-145	1
Toluene-d8	47.64		50.00	ug/Kg	95%		70-145	1
Bromofluorobenzene	48.32		50.00	ug/Kg	97%		70-145	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1147661	Batch:	338690
Matrix (Source ID):	Soil (506629-016)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1147661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	48.37	ND	50.00	ug/Kg	97%		70-141	2	43	1
MTBE	39.79	ND	50.00	ug/Kg	80%		59-130	7	30	1
Benzene	43.29	ND	50.00	ug/Kg	87%		70-130	2	30	1
Trichloroethene	42.30	ND	50.00	ug/Kg	85%		69-130	2	30	1
Toluene	39.20	ND	50.00	ug/Kg	78%		70-130	4	30	1
Chlorobenzene	34.08	ND	50.00	ug/Kg	68%	*	70-130	7	30	1
Surrogates										
Dibromofluoromethane	48.81		50.00	ug/Kg	98%		70-145			1
1,2-Dichloroethane-d4	53.24		50.00	ug/Kg	106%		70-145			1
Toluene-d8	47.11		50.00	ug/Kg	94%		70-145			1
Bromofluorobenzene	48.24		50.00	ug/Kg	96%		70-145			1

Type:	Lab Control Sample	Lab ID:	QC1147663	Batch:	338690
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1147663 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.19	50.00	ug/Kg	98%		70-131
MTBE	47.52	50.00	ug/Kg	95%		69-130
Benzene	51.42	50.00	ug/Kg	103%		70-130
Trichloroethene	54.35	50.00	ug/Kg	109%		70-130
Toluene	49.35	50.00	ug/Kg	99%		70-130
Chlorobenzene	49.56	50.00	ug/Kg	99%		70-130
Surrogates						
Dibromofluoromethane	48.71	50.00	ug/Kg	97%		70-130
1,2-Dichloroethane-d4	51.30	50.00	ug/Kg	103%		70-145
Toluene-d8	47.41	50.00	ug/Kg	95%		70-145
Bromofluorobenzene	47.43	50.00	ug/Kg	95%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC1147664	Batch:	338690
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1147664 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.42	50.00	ug/Kg	97%		70-131	2	33
MTBE	48.17	50.00	ug/Kg	96%		69-130	1	30
Benzene	50.80	50.00	ug/Kg	102%		70-130	1	30
Trichloroethene	52.55	50.00	ug/Kg	105%		70-130	3	30
Toluene	49.15	50.00	ug/Kg	98%		70-130	0	30
Chlorobenzene	49.19	50.00	ug/Kg	98%		70-130	1	30
Surrogates								
Dibromofluoromethane	48.03	50.00	ug/Kg	96%		70-130		
1,2-Dichloroethane-d4	50.05	50.00	ug/Kg	100%		70-145		
Toluene-d8	47.50	50.00	ug/Kg	95%		70-145		
Bromofluorobenzene	47.60	50.00	ug/Kg	95%		70-145		

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Batch QC

Type: Blank	Lab ID: QC1147665	Batch: 338690
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1147665 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	04/24/24	04/24/24
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	2.4	04/24/24	04/24/24
Freon 12	ND		ug/Kg	5.0	1.8	04/24/24	04/24/24
Chloromethane	ND		ug/Kg	5.0	2.3	04/24/24	04/24/24
Vinyl Chloride	ND		ug/Kg	5.0	2.2	04/24/24	04/24/24
Bromomethane	ND		ug/Kg	5.0	2.2	04/24/24	04/24/24
Chloroethane	ND		ug/Kg	5.0	1.4	04/24/24	04/24/24
Trichlorofluoromethane	ND		ug/Kg	5.0	1.4	04/24/24	04/24/24
Acetone	ND		ug/Kg	100	61	04/24/24	04/24/24
Freon 113	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
1,1-Dichloroethene	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
Methylene Chloride	ND		ug/Kg	5.0	3.7	04/24/24	04/24/24
MTBE	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
1,1-Dichloroethane	ND		ug/Kg	5.0	1.7	04/24/24	04/24/24
2-Butanone	ND		ug/Kg	100	7.3	04/24/24	04/24/24
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	04/24/24	04/24/24
2,2-Dichloropropane	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
Chloroform	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
Bromochloromethane	ND		ug/Kg	5.0	1.6	04/24/24	04/24/24
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
1,1-Dichloropropene	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
Carbon Tetrachloride	ND		ug/Kg	5.0	1.5	04/24/24	04/24/24
1,2-Dichloroethane	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
Benzene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Trichloroethene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
1,2-Dichloropropane	ND		ug/Kg	5.0	2.3	04/24/24	04/24/24
Bromodichloromethane	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
Dibromomethane	ND		ug/Kg	5.0	1.8	04/24/24	04/24/24
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	2.1	04/24/24	04/24/24
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
Toluene	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.8	04/24/24	04/24/24
1,3-Dichloropropane	ND		ug/Kg	5.0	1.4	04/24/24	04/24/24
Tetrachloroethene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Dibromochloromethane	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
1,2-Dibromoethane	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
Chlorobenzene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Ethylbenzene	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
m,p-Xylenes	ND		ug/Kg	10	1.9	04/24/24	04/24/24
o-Xylene	ND		ug/Kg	5.0	1.0	04/24/24	04/24/24
Styrene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
Bromoform	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
Isopropylbenzene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24

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Batch QC

QC1147665 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	2.1	04/24/24	04/24/24
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.5	04/24/24	04/24/24
Propylbenzene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
Bromobenzene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
2-Chlorotoluene	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
4-Chlorotoluene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
tert-Butylbenzene	ND		ug/Kg	5.0	0.6	04/24/24	04/24/24
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
sec-Butylbenzene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.4	04/24/24	04/24/24
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.1	04/24/24	04/24/24
n-Butylbenzene	ND		ug/Kg	5.0	0.9	04/24/24	04/24/24
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.8	04/24/24	04/24/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.7	04/24/24	04/24/24
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
Hexachlorobutadiene	ND		ug/Kg	5.0	1.2	04/24/24	04/24/24
Naphthalene	ND		ug/Kg	5.0	1.3	04/24/24	04/24/24
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	04/24/24	04/24/24
Xylene (total)	ND		ug/Kg	5.0		04/24/24	04/24/24
Surrogates				**Limits**			
Dibromofluoromethane	95%		%REC	70-130		04/24/24	04/24/24
1,2-Dichloroethane-d4	103%		%REC	70-145		04/24/24	04/24/24
Toluene-d8	95%		%REC	70-145		04/24/24	04/24/24
Bromofluorobenzene	95%		%REC	70-145		04/24/24	04/24/24

Type: Lab Control Sample | **Lab ID:** QC1147731 | **Batch:** 338712
Matrix: Soil | **Method:** EPA 8260B | **Prep Method:** EPA 5035

QC1147731 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	42.95	50.00	ug/Kg	86%		70-131
MTBE	40.74	50.00	ug/Kg	81%		69-130
Benzene	41.92	50.00	ug/Kg	84%		70-130
Trichloroethene	39.41	50.00	ug/Kg	79%		70-130
Toluene	41.35	50.00	ug/Kg	83%		70-130
Chlorobenzene	42.81	50.00	ug/Kg	86%		70-130
Surrogates						
Dibromofluoromethane	48.84	50.00	ug/Kg	98%		70-130
1,2-Dichloroethane-d4	50.20	50.00	ug/Kg	100%		70-145
Toluene-d8	49.88	50.00	ug/Kg	100%		70-145
Bromofluorobenzene	51.56	50.00	ug/Kg	103%		70-145

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1147732**	**Batch:**	**338712**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1147732 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.63	50.00	ug/Kg	91%		70-131	6	33
MTBE	43.39	50.00	ug/Kg	87%		69-130	6	30
Benzene	44.80	50.00	ug/Kg	90%		70-130	7	30
Trichloroethene	47.11	50.00	ug/Kg	94%		70-130	18	30
Toluene	44.87	50.00	ug/Kg	90%		70-130	8	30
Chlorobenzene	47.60	50.00	ug/Kg	95%		70-130	11	30
Surrogates								
Dibromofluoromethane	47.29	50.00	ug/Kg	95%		70-130		
1,2-Dichloroethane-d4	48.36	50.00	ug/Kg	97%		70-145		
Toluene-d8	50.29	50.00	ug/Kg	101%		70-145		
Bromofluorobenzene	51.54	50.00	ug/Kg	103%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1147735	Batch: 338712
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1147735 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	04/25/24	04/25/24
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.9	04/25/24	04/25/24
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Freon 12	ND		ug/Kg	5.0	0.9	04/25/24	04/25/24
Chloromethane	ND		ug/Kg	5.0	0.8	04/25/24	04/25/24
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Bromomethane	ND		ug/Kg	5.0	1.1	04/25/24	04/25/24
Chloroethane	ND		ug/Kg	5.0	2.5	04/25/24	04/25/24
Trichlorofluoromethane	ND		ug/Kg	5.0	0.8	04/25/24	04/25/24
Acetone	ND		ug/Kg	100	32	04/25/24	04/25/24
Freon 113	ND		ug/Kg	5.0	0.7	04/25/24	04/25/24
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Methylene Chloride	ND		ug/Kg	5.0	3.4	04/25/24	04/25/24
MTBE	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.1	04/25/24	04/25/24
1,1-Dichloroethane	ND		ug/Kg	5.0	0.9	04/25/24	04/25/24
2-Butanone	ND		ug/Kg	100	4.3	04/25/24	04/25/24
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.8	04/25/24	04/25/24
2,2-Dichloropropane	ND		ug/Kg	5.0	2.5	04/25/24	04/25/24
Chloroform	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Bromochloromethane	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.3	04/25/24	04/25/24
1,1-Dichloropropene	ND		ug/Kg	5.0	0.8	04/25/24	04/25/24
Carbon Tetrachloride	ND		ug/Kg	5.0	1.2	04/25/24	04/25/24
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Benzene	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
Trichloroethene	ND		ug/Kg	5.0	0.7	04/25/24	04/25/24
1,2-Dichloropropane	ND		ug/Kg	5.0	0.8	04/25/24	04/25/24
Bromodichloromethane	ND		ug/Kg	5.0	1.1	04/25/24	04/25/24
Dibromomethane	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.6	04/25/24	04/25/24
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Toluene	ND		ug/Kg	5.0	0.9	04/25/24	04/25/24
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.4	04/25/24	04/25/24
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,3-Dichloropropane	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
Tetrachloroethene	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
Dibromochloromethane	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
Chlorobenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.7	04/25/24	04/25/24
Ethylbenzene	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
m,p-Xylenes	ND		ug/Kg	10	0.8	04/25/24	04/25/24
o-Xylene	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
Styrene	ND		ug/Kg	5.0	0.3	04/25/24	04/25/24
Bromoform	ND		ug/Kg	5.0	1.0	04/25/24	04/25/24
Isopropylbenzene	ND		ug/Kg	5.0	0.3	04/25/24	04/25/24

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Batch QC

QC1147735 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.2	04/25/24	04/25/24
Propylbenzene	ND		ug/Kg	5.0	0.3	04/25/24	04/25/24
Bromobenzene	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
2-Chlorotoluene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
4-Chlorotoluene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
tert-Butylbenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	04/25/24	04/25/24
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.3	04/25/24	04/25/24
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.3	04/25/24	04/25/24
n-Butylbenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.4	04/25/24	04/25/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.2	04/25/24	04/25/24
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	04/25/24	04/25/24
Naphthalene	ND		ug/Kg	5.0	1.2	04/25/24	04/25/24
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.7	04/25/24	04/25/24
Xylene (total)	ND		ug/Kg	5.0		04/25/24	04/25/24
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		04/25/24	04/25/24
1,2-Dichloroethane-d4	100%		%REC	70-145		04/25/24	04/25/24
Toluene-d8	100%		%REC	70-145		04/25/24	04/25/24
Bromofluorobenzene	102%		%REC	70-145		04/25/24	04/25/24

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Batch QC

Type: Blank	Lab ID: QC1147736	Batch: 338712
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1147736 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	51	04/25/24	04/25/24
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	55	04/25/24	04/25/24
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	21	04/25/24	04/25/24
Freon 12	ND		ug/Kg	250	130	04/25/24	04/25/24
Chloromethane	ND		ug/Kg	250	180	04/25/24	04/25/24
Vinyl Chloride	ND		ug/Kg	250	81	04/25/24	04/25/24
Bromomethane	ND		ug/Kg	250	190	04/25/24	04/25/24
Chloroethane	ND		ug/Kg	250	130	04/25/24	04/25/24
Trichlorofluoromethane	ND		ug/Kg	250	99	04/25/24	04/25/24
Acetone	ND		ug/Kg	5,000	1,900	04/25/24	04/25/24
Freon 113	ND		ug/Kg	250	69	04/25/24	04/25/24
1,1-Dichloroethene	ND		ug/Kg	250	64	04/25/24	04/25/24
Methylene Chloride	ND		ug/Kg	400	400	04/25/24	04/25/24
MTBE	ND		ug/Kg	250	66	04/25/24	04/25/24
trans-1,2-Dichloroethene	ND		ug/Kg	250	49	04/25/24	04/25/24
1,1-Dichloroethane	ND		ug/Kg	250	52	04/25/24	04/25/24
2-Butanone	ND		ug/Kg	5,000	280	04/25/24	04/25/24
cis-1,2-Dichloroethene	ND		ug/Kg	250	59	04/25/24	04/25/24
2,2-Dichloropropane	ND		ug/Kg	250	45	04/25/24	04/25/24
Chloroform	ND		ug/Kg	250	78	04/25/24	04/25/24
Bromochloromethane	ND		ug/Kg	250	68	04/25/24	04/25/24
1,1,1-Trichloroethane	ND		ug/Kg	250	57	04/25/24	04/25/24
1,1-Dichloropropene	ND		ug/Kg	250	68	04/25/24	04/25/24
Carbon Tetrachloride	ND		ug/Kg	250	56	04/25/24	04/25/24
1,2-Dichloroethane	ND		ug/Kg	250	98	04/25/24	04/25/24
Benzene	ND		ug/Kg	250	33	04/25/24	04/25/24
Trichloroethene	ND		ug/Kg	250	38	04/25/24	04/25/24
1,2-Dichloropropane	ND		ug/Kg	250	31	04/25/24	04/25/24
Bromodichloromethane	ND		ug/Kg	250	40	04/25/24	04/25/24
Dibromomethane	ND		ug/Kg	250	55	04/25/24	04/25/24
4-Methyl-2-Pentanone	ND		ug/Kg	250	85	04/25/24	04/25/24
cis-1,3-Dichloropropene	ND		ug/Kg	250	44	04/25/24	04/25/24
Toluene	ND		ug/Kg	250	51	04/25/24	04/25/24
trans-1,3-Dichloropropene	ND		ug/Kg	250	57	04/25/24	04/25/24
1,1,2-Trichloroethane	ND		ug/Kg	250	33	04/25/24	04/25/24
1,3-Dichloropropane	ND		ug/Kg	250	43	04/25/24	04/25/24
Tetrachloroethene	ND		ug/Kg	250	37	04/25/24	04/25/24
Dibromochloromethane	ND		ug/Kg	250	41	04/25/24	04/25/24
1,2-Dibromoethane	ND		ug/Kg	250	31	04/25/24	04/25/24
Chlorobenzene	ND		ug/Kg	250	46	04/25/24	04/25/24
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	57	04/25/24	04/25/24
Ethylbenzene	ND		ug/Kg	250	54	04/25/24	04/25/24
m,p-Xylenes	ND		ug/Kg	500	120	04/25/24	04/25/24
o-Xylene	ND		ug/Kg	250	52	04/25/24	04/25/24
Styrene	ND		ug/Kg	250	47	04/25/24	04/25/24
Bromoform	ND		ug/Kg	250	43	04/25/24	04/25/24
Isopropylbenzene	ND		ug/Kg	250	42	04/25/24	04/25/24

ENTHALPY ANALYTICAL

Batch QC

QC1147736 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	54	04/25/24	04/25/24
1,2,3-Trichloropropane	ND		ug/Kg	250	72	04/25/24	04/25/24
Propylbenzene	ND		ug/Kg	250	40	04/25/24	04/25/24
Bromobenzene	ND		ug/Kg	250	45	04/25/24	04/25/24
1,3,5-Trimethylbenzene	ND		ug/Kg	250	36	04/25/24	04/25/24
2-Chlorotoluene	ND		ug/Kg	250	52	04/25/24	04/25/24
4-Chlorotoluene	ND		ug/Kg	250	41	04/25/24	04/25/24
tert-Butylbenzene	ND		ug/Kg	250	33	04/25/24	04/25/24
1,2,4-Trimethylbenzene	ND		ug/Kg	250	47	04/25/24	04/25/24
sec-Butylbenzene	ND		ug/Kg	250	37	04/25/24	04/25/24
para-Isopropyl Toluene	ND		ug/Kg	250	37	04/25/24	04/25/24
1,3-Dichlorobenzene	ND		ug/Kg	250	38	04/25/24	04/25/24
1,4-Dichlorobenzene	ND		ug/Kg	250	42	04/25/24	04/25/24
n-Butylbenzene	ND		ug/Kg	250	58	04/25/24	04/25/24
1,2-Dichlorobenzene	ND		ug/Kg	250	44	04/25/24	04/25/24
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	77	04/25/24	04/25/24
1,2,4-Trichlorobenzene	ND		ug/Kg	250	67	04/25/24	04/25/24
Hexachlorobutadiene	ND		ug/Kg	250	56	04/25/24	04/25/24
Naphthalene	ND		ug/Kg	250	73	04/25/24	04/25/24
1,2,3-Trichlorobenzene	ND		ug/Kg	250	58	04/25/24	04/25/24
Xylene (total)	ND		ug/Kg	250		04/25/24	04/25/24
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130		04/25/24	04/25/24
1,2-Dichloroethane-d4	98%		%REC	70-145		04/25/24	04/25/24
Toluene-d8	99%		%REC	70-145		04/25/24	04/25/24
Bromofluorobenzene	101%		%REC	70-145		04/25/24	04/25/24

Type:	**Matrix Spike**	**Lab ID:**	**QC1147803**	**Batch:**	**338712**
Matrix (Source ID):	**Soil (506833-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1147803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	40.39	ND	50.00	ug/Kg	81%		70-141	1
MTBE	38.77	ND	50.00	ug/Kg	78%		59-130	1
Benzene	37.32	ND	50.00	ug/Kg	75%		70-130	1
Trichloroethene	34.65	ND	50.00	ug/Kg	69%		69-130	1
Toluene	35.83	ND	50.00	ug/Kg	72%		70-130	1
Chlorobenzene	37.56	ND	50.00	ug/Kg	75%		70-130	1
Surrogates								
Dibromofluoromethane	51.20		50.00	ug/Kg	102%		70-145	1
1,2-Dichloroethane-d4	51.25		50.00	ug/Kg	103%		70-145	1
Toluene-d8	48.81		50.00	ug/Kg	98%		70-145	1
Bromofluorobenzene	50.90		50.00	ug/Kg	102%		70-145	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1147804	Batch:	338712
Matrix (Source ID):	Soil (506833-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1147804 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	44.75	ND	50.00	ug/Kg	90%		70-141	10	43	1
MTBE	40.65	ND	50.00	ug/Kg	81%		59-130	5	30	1
Benzene	40.73	ND	50.00	ug/Kg	81%		70-130	9	30	1
Trichloroethene	37.68	ND	50.00	ug/Kg	75%		69-130	8	30	1
Toluene	38.62	ND	50.00	ug/Kg	77%		70-130	7	30	1
Chlorobenzene	39.97	ND	50.00	ug/Kg	80%		70-130	6	30	1
Surrogates										
Dibromofluoromethane	51.06		50.00	ug/Kg	102%		70-145			1
1,2-Dichloroethane-d4	49.94		50.00	ug/Kg	100%		70-145			1
Toluene-d8	49.44		50.00	ug/Kg	99%		70-145			1
Bromofluorobenzene	50.83		50.00	ug/Kg	102%		70-145			1

Type:	Blank	Lab ID:	QC1146494	Batch:	338344
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1146494 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	9.9	1.5	04/21/24	04/24/24
2-Methylnaphthalene	ND		ug/Kg	9.9	1.5	04/21/24	04/24/24
Naphthalene	ND		ug/Kg	9.9	3.6	04/21/24	04/24/24
Acenaphthylene	ND		ug/Kg	9.9	1.6	04/21/24	04/24/24
Acenaphthene	ND		ug/Kg	9.9	1.0	04/21/24	04/24/24
Fluorene	ND		ug/Kg	9.9	1.2	04/21/24	04/24/24
Phenanthrene	ND		ug/Kg	9.9	2.2	04/21/24	04/24/24
Anthracene	ND		ug/Kg	9.9	1.4	04/21/24	04/24/24
Fluoranthene	ND		ug/Kg	9.9	3.3	04/21/24	04/24/24
Pyrene	ND		ug/Kg	9.9	3.6	04/21/24	04/24/24
Benzo(a)anthracene	ND		ug/Kg	9.9	1.1	04/21/24	04/24/24
Chrysene	ND		ug/Kg	9.9	0.95	04/21/24	04/24/24
Benzo(b)fluoranthene	ND		ug/Kg	9.9	0.92	04/21/24	04/24/24
Benzo(k)fluoranthene	ND		ug/Kg	9.9	1.0	04/21/24	04/24/24
Benzo(a)pyrene	ND		ug/Kg	9.9	1.3	04/21/24	04/24/24
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.5	04/21/24	04/24/24
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	2.8	04/21/24	04/24/24
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	1.6	04/21/24	04/24/24
Surrogates				**Limits**			
Nitrobenzene-d5	86%		%REC	27-125		04/21/24	04/24/24
2-Fluorobiphenyl	86%		%REC	30-120		04/21/24	04/24/24
Terphenyl-d14	82%		%REC	33-155		04/21/24	04/24/24

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1146495**	**Batch:**	**338344**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1146495 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	166.0	201.0	ug/Kg	83%		28-130
2-Methylnaphthalene	168.0	201.0	ug/Kg	84%		33-130
Naphthalene	182.8	201.0	ug/Kg	91%		25-130
Acenaphthylene	159.2	201.0	ug/Kg	79%		28-130
Acenaphthene	167.7	201.0	ug/Kg	83%		32-130
Fluorene	174.1	201.0	ug/Kg	87%		35-130
Phenanthrene	178.8	201.0	ug/Kg	89%		35-132
Anthracene	178.5	201.0	ug/Kg	89%		34-136
Fluoranthene	176.8	201.0	ug/Kg	88%		34-139
Pyrene	175.0	201.0	ug/Kg	87%		35-134
Benzo(a)anthracene	183.0	201.0	ug/Kg	91%		30-132
Chrysene	182.7	201.0	ug/Kg	91%		29-130
Benzo(b)fluoranthene	188.6	201.0	ug/Kg	94%		32-137
Benzo(k)fluoranthene	198.7	201.0	ug/Kg	99%		32-130
Benzo(a)pyrene	164.6	201.0	ug/Kg	82%		10-138
Indeno(1,2,3-cd)pyrene	224.9	201.0	ug/Kg	112%	b	34-132
Dibenz(a,h)anthracene	201.0	201.0	ug/Kg	100%		32-130
Benzo(g,h,i)perylene	217.6	201.0	ug/Kg	108%	b	27-130
Surrogates						
Nitrobenzene-d5	184.1	201.0	ug/Kg	92%		27-125
2-Fluorobiphenyl	171.1	201.0	ug/Kg	85%		30-120
Terphenyl-d14	163.5	201.0	ug/Kg	81%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1146496**	**Batch:**	**338344**
Matrix (Source ID):	**Soil (506595-008)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	180.9	ND	220.9	ug/Kg	82%		25-130	2
2-Methylnaphthalene	184.3	10.27	220.9	ug/Kg	79%		32-133	2
Naphthalene	189.0	ND	220.9	ug/Kg	86%		33-130	2
Acenaphthylene	176.3	ND	220.9	ug/Kg	80%		14-157	2
Acenaphthene	175.3	ND	220.9	ug/Kg	79%		28-134	2
Fluorene	181.8	ND	220.9	ug/Kg	82%		27-140	2
Phenanthrene	217.9	63.85	220.9	ug/Kg	70%		29-147	2
Anthracene	187.5	9.673	220.9	ug/Kg	81%		24-156	2
Fluoranthene	206.3	35.31	220.9	ug/Kg	77%		28-160	2
Pyrene	218.5	53.90	220.9	ug/Kg	75%		26-153	2
Benzo(a)anthracene	205.4	35.74	220.9	ug/Kg	77%		26-174	2
Chrysene	224.7	76.83	220.9	ug/Kg	67%		40-139	2
Benzo(b)fluoranthene	205.9	36.46	220.9	ug/Kg	77%		36-164	2
Benzo(k)fluoranthene	209.9	11.13	220.9	ug/Kg	90%		36-161	2
Benzo(a)pyrene	190.5	28.48	220.9	ug/Kg	73%		18-173	2
Indeno(1,2,3-cd)pyrene	217.1	17.31	220.9	ug/Kg	90%	b	26-154	2
Dibenz(a,h)anthracene	182.8	ND	220.9	ug/Kg	83%		38-132	2
Benzo(g,h,i)perylene	212.9	23.84	220.9	ug/Kg	86%	b	36-130	2
Surrogates								
Nitrobenzene-d5	185.5		220.9	ug/Kg	84%		27-125	2
2-Fluorobiphenyl	182.5		220.9	ug/Kg	83%		30-120	2
Terphenyl-d14	164.4		220.9	ug/Kg	74%		33-155	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1146497**	**Batch:**	**338344**
Matrix (Source ID):	**Soil (506595-008)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**
				Basis:	**Dry**

QC1146497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	184.5	ND	219.8	ug/Kg	84%		25-130	2	35	2
2-Methylnaphthalene	187.3	10.27	219.8	ug/Kg	81%		32-133	2	35	2
Naphthalene	182.1	ND	219.8	ug/Kg	83%		33-130	3	35	2
Acenaphthylene	173.6	ND	219.8	ug/Kg	79%		14-157	1	35	2
Acenaphthene	169.9	ND	219.8	ug/Kg	77%		28-134	3	35	2
Fluorene	176.3	ND	219.8	ug/Kg	80%		27-140	3	35	2
Phenanthrene	254.6	63.85	219.8	ug/Kg	87%		29-147	16	35	2
Anthracene	196.1	9.673	219.8	ug/Kg	85%		24-156	5	35	2
Fluoranthene	332.4	35.31	219.8	ug/Kg	135%		28-160	47*	35	2
Pyrene	328.3	53.90	219.8	ug/Kg	125%		26-153	41*	35	2
Benzo(a)anthracene	293.1	35.74	219.8	ug/Kg	117%		26-174	36*	35	2
Chrysene	311.4	76.83	219.8	ug/Kg	107%		40-139	33	35	2
Benzo(b)fluoranthene	322.4	36.46	219.8	ug/Kg	130%		36-164	44*	35	2
Benzo(k)fluoranthene	259.8	11.13	219.8	ug/Kg	113%		36-161	22	35	2
Benzo(a)pyrene	283.6	28.48	219.8	ug/Kg	116%		18-173	40*	35	2
Indeno(1,2,3-cd)pyrene	268.5	17.31	219.8	ug/Kg	114%	b	26-154	22	35	2
Dibenz(a,h)anthracene	182.8	ND	219.8	ug/Kg	83%		38-132	0	35	2
Benzo(g,h,i)perylene	260.0	23.84	219.8	ug/Kg	107%	b	36-130	20	35	2
Surrogates										
Nitrobenzene-d5	184.5		219.8	ug/Kg	84%		27-125			2
2-Fluorobiphenyl	176.3		219.8	ug/Kg	80%		30-120			2
Terphenyl-d14	162.4		219.8	ug/Kg	74%		33-155			2

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
J	Estimated value
ND	Not Detected
b	See narrative

Laboratory Job Number 506595

Subcontracted Products

SGS Forensic

Final Report

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Enthalpy Analytical LLC
Miguel Gamboa
2323 5th Street

Berkeley, CA 94710

Client ID: 1137
Report Number: N016124
Date Received: 04/19/24
Date Analyzed: 04/26/24
Date Printed: 04/26/24

Job ID/Site: PO-064054 - Enthalpy EO# 506595

SGSFL Job ID: 1137
Total Samples Submitted: 6
Total Samples Analyzed: 6

PLM Report Number: N/A

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
MS1-4	12742884	**Brown Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
MS32	12742885	**Brown Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
RA 3-1	12742886	**Tan Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
PC 2-1.5	12742887	**Tan Soil**

Visual Estimation Results:

Matrix percentage of entire sample	100
Visual estimation percentage:	**None Detected**
Asbestos type(s) detected:	None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Bulk Asbestos Material Analysis

(Air Resources Board Method 435, June 6, 1991)

Enthalpy Analytical LLC
Miguel Gamboa
2323 5th Street

Berkeley, CA 94710

Client ID: 1137
Report Number: N016124
Date Received: 04/19/24
Date Analyzed: 04/26/24
Date Printed: 04/26/24

Job ID/Site: PO-064054 - Enthalpy EO# 506595

SGSFL Job ID: 1137
Total Samples Submitted: 6
Total Samples Analyzed: 6

PLM Report Number: N/A

Sample Preparation and Analysis:

Samples were analyzed by the Air Resources Board's Method 435, Determination of Asbestos Content of Serpentine Aggregate. Samples were ground to 200 particle size in the laboratory. Approximately 1 pint was retained for analysis. Samples were prepared for observation according to the guidelines of Exception I and Exception II as defined by the 435 Method. Samples which contained less than 10% asbestos were prepared for observation according to the point count technique as defined by the 435 Method. This analysis was performed with a standard cross-hair reticle.

Sample ID	Lab Number	Layer Description
PC-3-2	12742888	**Brown Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Sample ID	Lab Number	Layer Description
PC 4 -0.5	12742889	**Tan Soil**

Visual Estimation Results:

Matrix percentage of entire sample 100
Visual estimation percentage: **None Detected**
Asbestos type(s) detected: None Detected

Comment: This result meets the requirements of Exception I as defined by the 435 Method.

Maria Cosper, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 0.25%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

Print Form

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk
County of: Monterey
168 West Alisal Street, 1st Floor
Salinas, CA 93901

From: (Public Agency): Monterey-Salinas Transit District
19 Upper Ragsdale Dr., Ste. 200
Monterey, CA 93940
(Address)

FILED
MAR 13 2023
XOCHITL MARINA CAMACHO
MONTEREY COUNTY CLERK
DEPUTY
2023-0036

Project Title: SURF! Busway and Bus Rapid Transit Project

Project Applicant: Monterey-Salinas Transit District

Project Location - Specific:
Monterey Branch Line rail corridor & streets from Marina to Sand City, Monterey Count

Project Location - City: Marina, Sand City, Seaside Project Location - County: Monterey

Description of Nature, Purpose and Beneficiaries of Project:
Bus Rapid Transit/Bus Service Project along six linear miles of right of way between the cities of Marina and Sand City, including transit stations, roundabouts, pedestrian/bike facilities, wayfinding, transit prioritization, charging stations, and supporting infrastructure. designed to serve the general population of Monterey County, reduce congestion and improve mobility. The Project also includes actions from the Transportation Agency for Monterey County (TAMC).

Name of Public Agency Approving Project: Monterey-Salinas Transit District

Name of Person or Agency Carrying Out Project: Monterey-Salinas Transit District

Exempt Status: **(check one):**

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☐ Categorical Exemption. State type and section number:
- ☒ Statutory Exemptions. State code number: Pub. Res. Code Section 21080.25(b) [SB 922 (2022)]

Reasons why project is exempt:
The Project is a Bus Rapid Transit and Bus Service project, including transit stations which utilize a rail corridor and public streets, utilize 100% zero emission vehicles, is located in an urbanized area, and will use a skilled and trained workforce.

Lead Agency Contact Person: Michelle Overmeyer Area Code/Telephone/Extension: 831-264-5877

If filed by applicant:
1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? ▪ Yes No

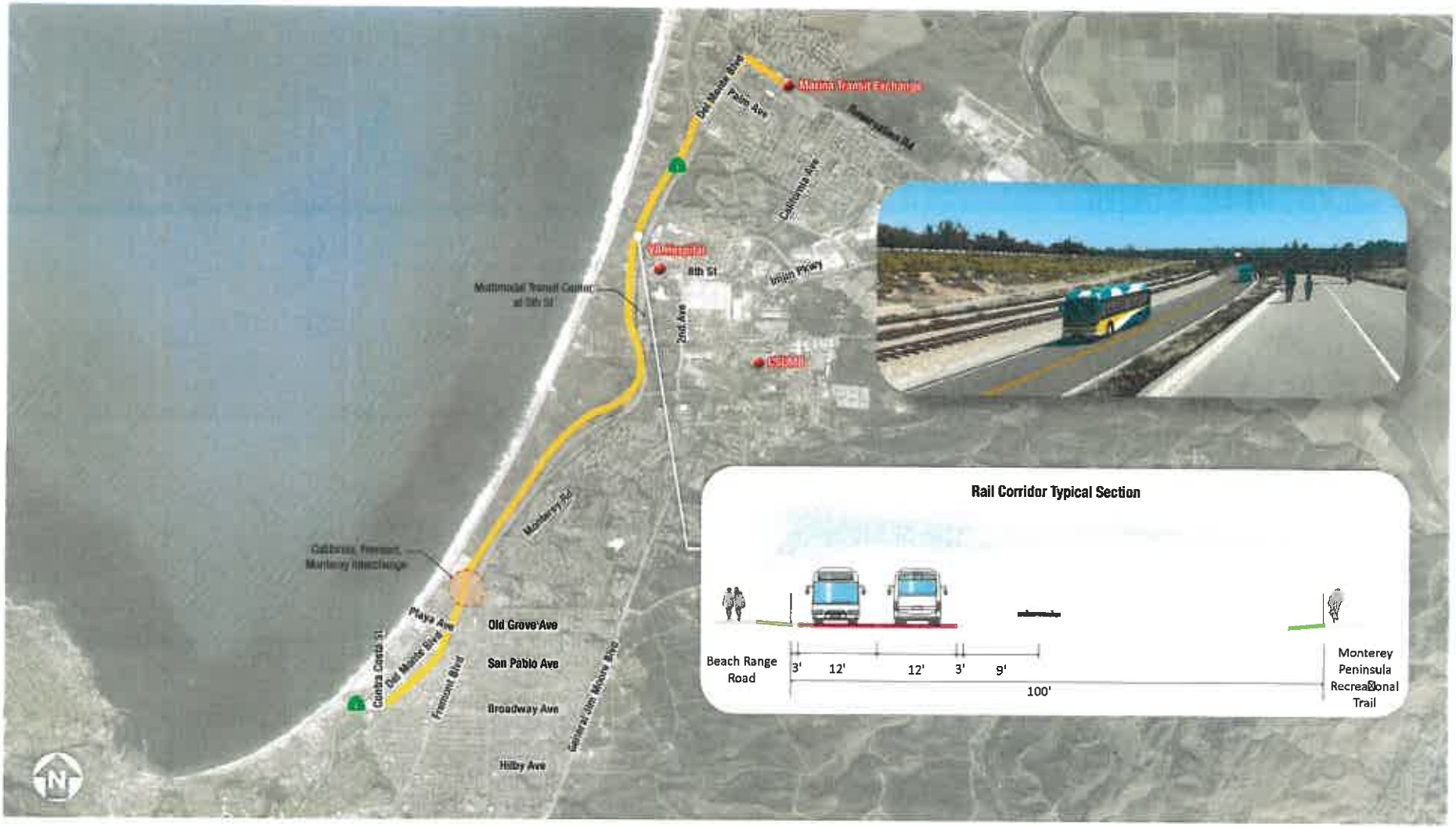
Signature: Carl G. Sedoryk Date: 3-13-2023 Title: Carl G. Sedoryk

▪ Signed by Lead Agency ▪ Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

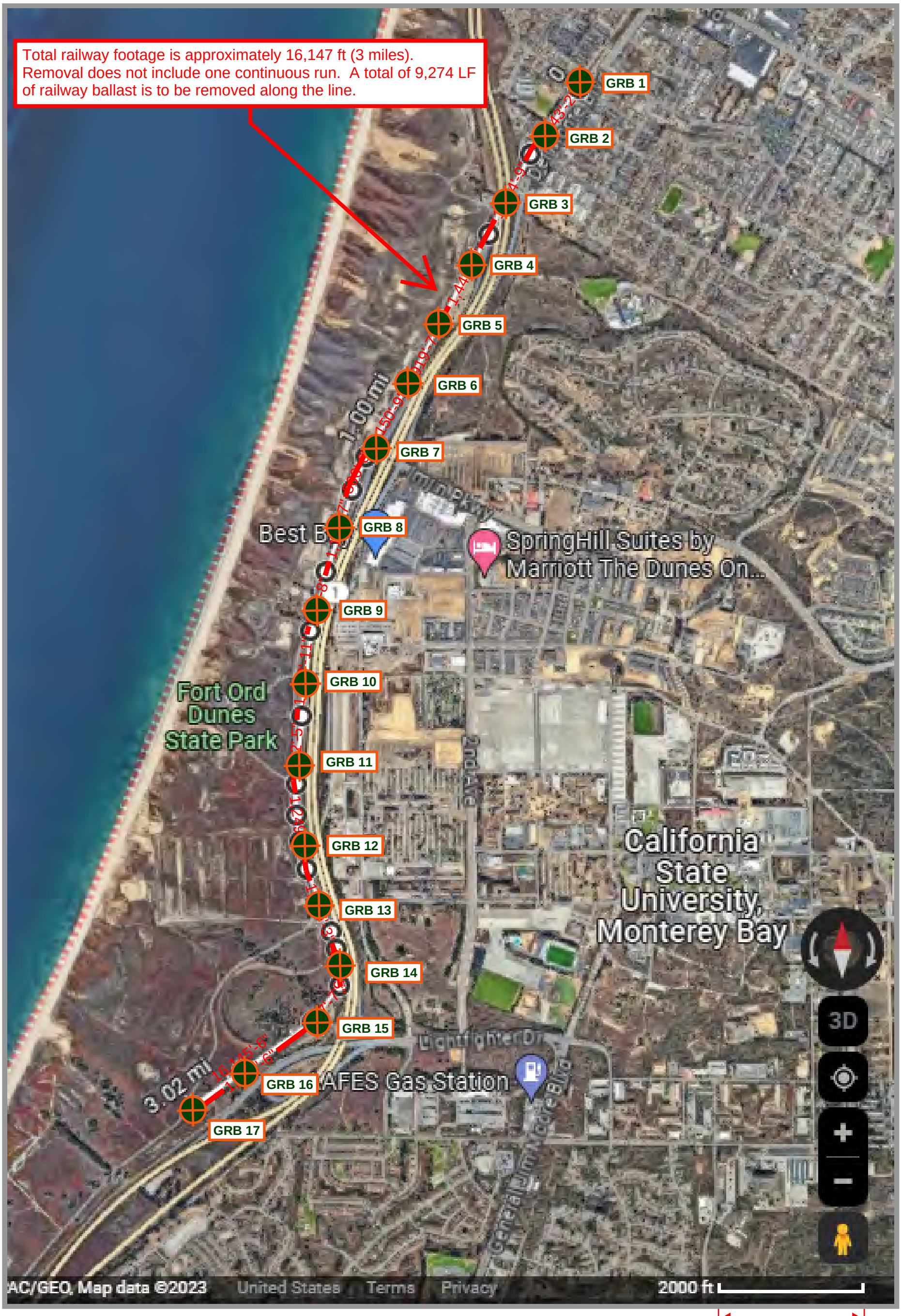
Date Received for filing at OPR:

Revised 2011



Source: Kimley Horn, 2020

Figure 3-2: General Project Location
MST SURF! Busway and Bus Rapid Transit Project



NOT TO SCALE

2,000'-0"

Samples to be Tested for:

- CAM 17 Metals - VOCs - SVOCs - OCPs - PCBs

- TPH Diesel, Motor Oil, Gas - Silica Gel Cleanup - CARB 435A Asbestos (on 9 samples)

*** Data to be reported in Dry Weight**

Graniterock	**Project Name & Location:** SURF! BUSWAY AND BRT PROJECT Monterey County	**Details:** A total of 17 samples to be collected along 3 miles of railway. Sample frequency based on DTSC sampling guidelines for 10,000 CY.	**Designed By:** Lisa Prasad **Date:** 12/04/23

Initial Study/Mitigated Negative Declaration

MST SURF! Busway and Bus Rapid Transit Project

Monterey County, California

Prepared for:

MST
MONTEREY-SALINAS TRANSIT

19 Upper Ragsdale Drive, Suite 200,
Monterey, CA 93940

TAMC
TRANSPORTATION AGENCY FOR MONTEREY COUNTY

55 Plaza Circle Suite B,
Salinas, California 93901

Prepared by:

Kimley»Horn

10 Almaden Boulevard, Suite 1250
San Jose, California 95113

June 2021

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MST SURF! Busway and Bus Rapid Transit Project

Environmental Initial Study

and

Mitigated Negative Declaration

Prepared for:

Monterey-Salinas Transit District

and

Transportation Agency for Monterey County

June 2021

Prepared by:

Kimley»Horn

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Table of Contents

List of Figures

Note: All figures are attached within respective Appendices.

Appendices to the Initial Study

Technical Attachments

Attachment 6A: Air Quality and Greenhouse Gas CalEEMod Model Outputs

Attachment 8A: CHRIS Results

Attachment 14A: Acoustical Data Outputs

TAMC, September 2011. Monterey Peninsula Light Rail Project Administrative Draft Environmental Assessment/Environmental Impact Report (SCH # 2009111044) including appendices incorporated by reference.

1.0 INTRODUCTION & PURPOSE

1.1 Purpose and Scope of the Initial Study

This Initial Study has been prepared specifically to support MST's findings, as the Lead Agency under the California Environmental Quality Act (CEQA), that the project under review would not result in significant environmental impacts with the application of existing regulations, design features and permit conditions. This study (and its supporting Appendices) has been prepared pursuant to CEQA (Pub. Resources Code, Section 21000, et seq.). The Initial Study is supported by a combination of new and prior studies, including the Administrative Draft Environmental Assessment/Environmental Impact Report (TAMC, 2011). This document and its supporting appendices are incorporated herein by reference.

CEQA requires a lead agency, as defined, to prepare, or cause to be prepared, and certify the completion of an environmental impact report on a project that it proposes to carry out or approve that may have a significant effect on the environment or to adopt a negative declaration if it finds that the project will not have that effect. CEQA also requires a lead agency to prepare a mitigated negative declaration for a project that may have a significant effect on the environment if revisions in the project would avoid or mitigate that effect and there is no substantial evidence that the project, as revised, would have a significant effect on the environment. This Initial Study and supporting documentation has concluded that all potential adverse environmental effects can be mitigated to a less than significant level.

The conclusions herein are based on CEQA standards, professional judgement, field review, project-specific technical studies and available public documents. This Initial Study and its Appendices constitutes substantial evidence supporting the conclusion that preparation of an EIR is not required prior to approval of the project and that the environmental effects of the project have been fully considered.

2.0 DESCRIPTION OF PROPOSED PROJECT

2.1 Project Background, Location, and Setting

Location

The MST SURF! Busway and Bus Rapid Transit Project (project) would be located between MST's Marina Transit Exchange at Reservation Road and De Forest Road (northern terminus), and Contra Costa Street and Orange Avenue in Sand City (ultimate southern terminus). The project consists of approximately 6 linear miles of roadway surface and related improvements to provide dedicated express busway service between these points.

The majority of the alignment of the busway would be within the Transportation Agency for Monterey County (TAMC) Monterey Branch Line rail corridor right-of-way (ROW), an approximately 100-foot wide corridor generally located between Beach Range Road and the Monterey Peninsula Recreation Trail on the ocean side of Highway 1. Given the length of the proposed busway and its physical location, the project would be located in and/or adjacent to the cities of Marina, Seaside, and Sand City, extending parallel to Highway 1 and Fort Ord Dunes State Park.

The project's regional location is shown in **Figure 1**. The entirety of the project alignment is shown in **Figure 2**. More detailed location details are provided in **Appendix 3**.

Project Background and Prior Studies

The Monterey Branch Line was constructed by Southern Pacific Railroad Company (SPRR) in 1879, and extended 19.6 miles from Castroville to Lake Majella in Pacific Grove. Rail service on this standard-gauge line began in 1880, following eight years of narrow-gauge service operated by the Monterey and Salinas Valley Railroad Company. SPRR operated both freight and passenger rail service on the Del Monte Express between the Monterey Peninsula and San Francisco from 1881 to 1971. Over time, traffic on the line diminished and it fell into disrepair, and the remaining freight service on the branch line was discontinued south of Seaside in 1978.

In 1982, using State Senate Bill 620 funds the cities of Seaside and Monterey purchased the SPRR ROW between Contra Costa Street in Seaside and downtown Monterey. A highly popular pedestrian/bicycle multi-purpose trail (Monterey Bay Coastal Recreation Trail) has been constructed within this section of the ROW extending south from Canyon del Rey Boulevard along the coast into Pacific Grove. North of Contra Costa Street, SPRR continued operation of freight rail service through the 1990s. TAMC purchased this portion of the line from the Union Pacific Railroad in September 2003.

In response to continuing and increasing congestion on Highway 1, MST, in partnership with TAMC, the Association of Monterey Bay Area Governments (AMBAG), Caltrans, Santa Cruz METRO, California Highway Patrol and the Santa Cruz County Regional Transportation Commission (SCCRTC) conducted a study to explore the potential for improving bus operations in the Highway 1 corridor, including a bus-on-shoulder concept. The *Final Project Report Monterey Bay Area Feasibility Study of Bus on Shoulder Operations on State Route 1 and the Monterey Branch Line* ("Bus Study") considered eight alternatives on or parallel to State Route 1, including the possibility of using the Monterey Branch Line rail corridor for bus rapid transit operations. The final study ultimately concluded that operating MST buses along the

Monterey Branch Line would be the most cost-effective solution to improving on-time performance in this critical corridor. This feasibility study was completed in 2018, and the "bus within branch line" concept analyzed is very similar to the project evaluated in this document. See **Appendix 3** for more details on project background and prior studies.

Physical Site Conditions and Setting

The Monterey Branch Line corridor currently contains idle rail lines from the former Southern Pacific Railroad, including the railroad bed surface and aging facilities and utilities. Additional infrastructure associated with the former Fort Ord military base are located along the corridor, including concrete platforms, rail spurs, and access tunnels and bridges. The corridor is heavily disturbed by the rail lines, limited maintenance and regular practice of weed control; however, it is also wide enough to support native and non-native plant communities.

Land Use, Zoning, and Jurisdictional Boundaries

While the rail corridor is owned by TAMC, the underlying land uses are within the boundaries of the City of Marina, City of Sand City, and Monterey County. The rail right-of-way is immediately adjacent to, but outside of, the City of Seaside.

The project area consists of the following parcels:

- Portions of V69-1 (former Southern Pacific Railroad Monterey Branch Line owned by TAMC)
- 031-221-005 (MST 5th Street Station Parcel)
- 031-221-001 (5th Street underpass/busway extension road)

Additionally, the project extends along public roadways in the cities of Marina, Sand City and Seaside.

Project Characteristics

As mentioned above, the entirety of the project is approximately six miles in length. However, the area of potential affect, or APE, is 4.9 miles long. This is the portion of the project located within the TAMC ROW where most physical construction would occur. The APE is shown on **Figures 3A** and **3B**.

For ease of discussion and analysis, the six-mile long project is broken down into the following segments. See **Appendix 3** for details of each project segment.

- Segment 1 – Marina Transit Exchange to Palm Avenue Corridor Entry and Platform
- Segment 2 – Palm Avenue Corridor Entry to 5th Street Station
- Segment 3 – 5th Street Station to California/Fremont/Monterey/SR 1 Interchange (California Avenue Roundabout Connection)
- Segment 4 – California/Fremont/Monterey/SR 1 Interchange to Playa Avenue
- Segment 5 – Playa Avenue to Contra Costa Avenue (using public roadways)

Operational Information

Busway Vehicles

Under the California's Innovative Clean Transit (ICT) Rule, MST will be required to incorporate zero emission buses as part of its regular procurement schedule and transition to a 100% zero emission fleet by 2040. To meet environmental objectives of the project, MST plans to move to 100% zero emission

vehicle operation as soon as possible as procurements are made and fulfilled and as existing vehicles are replaced. The SURF! fleet is assumed to consist of 50 to 75 percent zero emission vehicles on day one of operations, moving to 100% as soon as practical as new zero emission vehicles enter the MST fleet.

Dedicated Busway Lanes, Transportation Controls and Technology

The dedicated bi-directional bus lanes will consist of two 12-foot asphalt lanes, which will be separated from existing rail lines by 9 to 12 feet (from center of rail line), except when the busway must cross the rail line to avoid constraints. With busway operations, traffic control signals at crossing locations would be activated by on-board technology on buses.

Potential Ridership, Headways and Travel Times

Buses would operate to maximize ridership in the southbound direction during the morning peak commute period (6:00 AM to 10:00 AM) and the northbound direction during the evening peak commute period (4:00 PM to 8:00 PM). It is estimated that travel time along the route would be reduced from 15.1 minutes (no busway) to 4.5 minutes (with busway), plus time for the single stop at the 5th Street Station mid-way.

Project Phasing, Construction, and Staging

MST anticipates that the major components of the project would be constructed simultaneously, with sections of busway progressing in increments based on the flow and availability of construction materials. The primary phases of construction would include:

- Site grubbing and clearing
- Palm Avenue/Del Monte Boulevard bus and roadway improvements
- California Avenue Roundabout
- Linear roadbed construction within the TAMC corridor between Palm Avenue and Playa Avenue
- 5th Street Station improvements
- Habitat restoration efforts
- Final finishes, fencing, lighting, signage and landscaping

See **Appendix 3** for a comprehensive Project Description.

2.2 Required Entitlements, Permits and Easements

The project is expected to require the following approvals:

- Approval by Federal Transit Administration (FTA) as the lead agency under NEPA prior to federal funding
- Approval by the Transportation Agency for Monterey County (TAMC) for use agreements between MST and TAMC and any additional funding commitments towards final design or construction
- Natural resource permits (e.g. take or other permits issued by United States Fish and Wildlife Services [USFWS])
- Consolidated Coastal Development Permit issued by the California Coastal Commission
- Encroachment permit issued by Caltrans (e.g. completion of a Design Engineering Evaluation Report (DEER)). For eligible projects and actions, the DEER can be used in lieu of the PSR-PDS, PSR-PR and Project Report process and provides an opportunity to streamlining Caltrans review

3.0 INITIAL STUDY CHECKLIST

3.1 Project Information

1. **Project title:**

   MST SURF! Busway and Bus Rapid Transit Project

2. **Lead agency name and address:**

   Monterey-Salinas Transit District, 19 Upper Ragsdale Drive, Suite 200, Monterey, CA 93940

3. **Contact person and phone number:**

   Michelle Overmeyer, Director of Planning and Innovation, (831)264-5877

4. **Project location:**

   The SURF! busway project would begin at MST's Marina Transit Exchange at Reservation Road and De Forest Road (northern terminus), and end at Contra Costa Street in Sand City (southern terminus). The alignment of the busway would be primarily within the Transportation Agency for Monterey County's (TAMC's) Monterey Branch Line rail corridor, generally located west of Highway 1 between Beach Range Road and the Monterey Peninsula Recreation Trail. Public roadways would be used for the SURF! line at both ends of the route. The project would be located or adjacent to the cities of Marina, Seaside, and Sand City, running parallel to Highway 1 next to Fort Ord Dunes State Park. The project area consists of the following parcels:
   Portions of V69-1 (former Southern Pacific Railroad Monterey Branch Line owned by TAMC), 031-221-005 (MST 5th Street Station Parcel), and 031-221-001 (5th Street underpass/busway extension road).

5. **Project sponsor's name and address:**

   Same as above

6. **General plan designation:**

   Various. Project alignment identified as open space and transportation corridor in local general plans and local coastal plans.

7. **Zoning:**

   Various per local agency zoning codes.

8. **Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)**

   The project consists of the following primary components:
   - A bus-only entry into the TAMC right-of-way at Del Monte Boulevard and Palm Avenue in the City of Marina. This element requires upgraded intersection traffic and safety controls, as well as bicycle and pedestrian path improvements along Del Monte Boulevard and parallel to Marina Drive.
   - Two lanes (one in each direction) of dedicated busway road surface within the TAMC Monterey Branch Line right-of-way. Work within the TAMC right-of-way to construct the bus lanes will

require grading, drainage improvements, retaining walls, fencing, recreation trail connections, utility relocations and other necessary improvements to create a safe, dedicated busway.

- A new transit station (5th Street Station) located on MST property near 5th Street east of Highway 1. The station would include bus bays, public parking, drop off area and other amenities. Other improvements associated with the station include bicycle and pedestrian facilities to access the station from the Coastal Recreation Trail and new connections to the existing bike trail system adjacent to the station.
- A new roundabout in the public right-of-way at California Avenue and Highway 1 southbound ramp in Sand City to better accommodate buses re-entering the public right-of-way.
- A stop at Playa Avenue in Sand City where SURF! riders could connect to the existing bus network. The Del Monte Boulevard/Playa Avenue and California Avenue/Playa Avenue intersections would include signalization and synchronization to improve traffic operations at this location. The route would continue to Contra Costa Street in Sand City via existing public roadways.

See **Appendix 3** to this document for details.

9. **Surrounding land uses and setting: Briefly describe the project's surroundings:**

   The majority of the alignment of the busway would be within the TAMC Monterey Branch Line rail corridor ROW, an approximately 100-foot wide corridor generally located between Beach Range Road and the Monterey Peninsula Recreation Trail on the ocean side of Highway 1. The project would be located in and/or adjacent to the cities of Marina, Seaside, and Sand City, extending parallel to Highway 1 and Fort Ord Dunes State Park. The northern and southern ends of the busway alignment utilize public roadways within an existing urban environment.

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)**
    - Approval by Federal Transit Administration (FTA) as the lead NEPA agency prior to federal funding
    - Natural resource permits (e.g. take or other permits issued by United States Fish and Wildlife Services [USFWS])
    - Consolidated Coastal Development Permit issued by the California Coastal Commission
    - Encroachment permit issued by Caltrans (e.g. completion of a Design Engineering Evaluation Report (DEER))

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**

    Outreach for consultation was conducted by the Lead Agency. No formal consultation was requested following outreach efforts.

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

4.0 ENVIRONMENTAL ANALYSIS

4.1 Aesthetics

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?			X	
a) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?				X
b) Substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			X	
c) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?		X		

a) Have a substantial adverse effect on a scenic vista?

Less than significant impact. There are several viewpoints near the busway corridor that could be considered scenic vistas based on the elevated nature of the views and/or visibility of a sweeping landscape. However, these vistas are not significantly affected or compromised by the project. See **Appendix 5** for detailed discussion.

b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

No impact. The project site is not located within the viewshed of a state-designated scenic highway, and therefore would not impact or substantially alter scenic resources related to a scenic highway. While many segments of Highway 1 are officially designated as a scenic highway, the segment parallel to the busway is not.

c) Substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less than significant impact. The visual quality of the alignment and lands on either side of the alignment is dominated by Highway 1, the existing railroad tracks and railbed, the coastal dune topography and the Monterey Bay beyond. Visual simulations of the pre-and post-project conditions from selected key viewpoints (KVPs) of the alignment are shown in **Appendix 5**. Based on the existing visual character of the public views and viewing experience from the selected KVPs, implementation of the project would not substantially degrade the existing visual character of the site or its surroundings. Visual effects from construction would occur but are considered a temporary visual nuisance rather than a permanent adverse effect. See **Appendix 5** for detailed analysis of construction and operational effects.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Potentially significant unless mitigation incorporated. The project would not result in unusual or permanent light sources that would significantly affect day or nighttime views in the area during construction activities. All lighting required for construction would be temporary, and no nighttime construction is proposed.

Regarding bus headlights, buses would have direct lighting from headlights and interior cabin lighting travelling along the busway lanes that would introduce a new source of light during nighttime hours. However, these sources of light would be infrequent 10-minute headways and would not be considered a significant new source of lighting in the area compared to existing conditions and adjacent highway.

For safety purposes, limited overhead lighting would be required at key locations where the busway intersects with the bicycle/pedestrian trail network. The following mitigation measure will ensure that new sources of lighting at these locations would be controlled to minimize potential effects on the nighttime environment, coastal zone, and biological resources of the adjacent coastal dune habitat.

Mitigation Measure/Project Condition

MM AES-3.1 Limit New Sources of Lighting

The final construction drawing package shall include a final Lighting Plan indicating the type and location of proposed lighting sources. Construction lighting shall be directed away from sensitive habitat areas if required during evening hours. The Lighting Plan shall include specific products and photometric data demonstrating how new lighting sources necessary for project operational safety shall be shielded or baffled to minimize unwanted light spill and direct light away from the State Park. As the alignment is located within airport Safety Zone 7 of both the Marina Municipal and Monterey Regional airports, the project's Lighting Plan shall also be submitted to the respective airport manager for of each airport for review and approval consistent with ALUC standard conditions.

4.2 Agriculture and Forestry Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

d) Result in the loss of forest land or conversion of forest land to non-forest use?

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No impact. No portion of the project alignment is designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance by the State Farmland Mapping and Monitoring Program (FMMP). No Williamson Act contract applies to the project alignment. The project site does not currently support agricultural or forestry uses, and it is designated for transportation and public uses. There would be no impact to agricultural and forestry resources.

4.3 Air Quality

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?		X		
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?			X	

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less than significant impact. The MBARD's 2008 CEQA Air Quality Guidelines provides criteria for determining cumulative impacts and consistency. The CEQA Air Quality Guidelines note that a project which is inconsistent with an Air Quality Plan would have a significant cumulative impact on regional air quality. The project is consistent with the Air Quality Management Plan for the Monterey Bay Region. The project does not include any changes to land use or zoning designations. The proposed project would result in the construction and operation of a new busway project with zero emission vehicles and does not include new land uses or structures. In addition, the proposed project's construction and operation emissions would not exceed MBARD thresholds. See **Appendix 6** for detailed discussion.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Potentially significant unless mitigation incorporated. As discussed above, the proposed project's construction and operation emissions would not exceed MBARD thresholds. MBARD CEQA Guidelines state that construction activities (e.g. excavation, grading, on-site vehicles), which emit 82 pounds per day or more of PM_{10}, would have a significant impact on local air quality when they are located nearby and upwind of sensitive receptors. As discussed in further detail in **Appendix 6**, construction emissions

associated with the project would not exceed this threshold for PM_{10}. Given the proximity of sensitive receptors to the project site, the project would be required to comply with the standard conditions below, which would further ensure impacts would be reduced to a less-than-significant level for all construction activities on the project site. See **Appendix 6** for additional details.

Standard Conditions and Requirements

SC AQ-2.1 Reduce Fugitive Dust

The project applicant shall implement the following measures to minimize nuisance impacts and to significantly reduce fugitive dust emissions, and the project applicant shall require all of the following measures to be shown on grading and building plans:

- Limit grading to 8.1 acres per day, and grading and excavation to 2.2 acres per day.
- Water graded/excavated areas and active unpaved roadways, unpaved staging areas, and unpaved parking areas at least twice daily. Frequency should be based on the type of operations, soil and wind exposure.
- Prohibit all grading activities during periods of high wind (more than 15 mph).
- Stabilize all disturbed soil areas as necessary using jute netting, gravel for temporary roads or other methods approved in advance by the APCD.
- Sow exposed ground areas that are planned to be reworked at dates greater than one month after initial grading with a fast germinating, non-invasive grass seed, and water until vegetation is established.
- Plant vegetative ground cover in disturbed areas as soon as possible with non-invasive species.
- Use street sweepers, water trucks, or sprinkler systems in sufficient quantities to prevent airborne dust from leaving the site. Reclaimed (non-potable) water should be used whenever possible.
- Spray dirt stockpile areas daily as needed.
- Place gravel on all roadways and driveways as soon as possible after grading. In addition, construct building pads as soon as possible after grading unless seeding or frequent water application are used.
- Not exceed a 15-mph vehicle speed for all construction vehicles on any unpaved surface at the construction site.
- Cover or maintain at least 2 feet of freeboard (minimum vertical distance between top of load and top of trailer) on all trucks hauling dirt, sand, soil, or other loose materials in accordance with California Vehicle Code Section 23114.
- Limit unpaved road travel to the extent possible, for example, by limiting the travel to and from unpaved areas, by coordinating movement between work areas rather than to central staging areas, and by busing workers where feasible.

- Install wheel washers where vehicles enter and exit unpaved roads onto streets, or wash off trucks and equipment leaving the site, and inspect vehicle tires to ensure free of soil prior to carry-out to paved roadways.
- Sweep streets at the end of each day, or as needed, if visible soil material is carried onto adjacent paved roads. Water sweepers with reclaimed water shall be used where feasible.

SC AQ-2.2 Designate a Dust Compliance Monitor

The project applicant shall require the contractor(s) or builder(s) to designate a person or persons to monitor the fugitive dust emissions and enhance the implementation of the measures as necessary to minimize dust complaints, reduce visible emissions below 20 percent opacity, and to prevent transport of dust off-site. Their duties shall include monitoring during holidays and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the MBARD Compliance Division prior to the start of any grading, earthwork, or demolition. The project applicant shall provide and post a publicly visible sign that specifies the telephone number and name to contact regarding dust complaints. This person shall respond to complaints and take corrective action within 48 hours. The phone number of the MBARD shall also be visible to ensure compliance with Rule 402 (Nuisance).

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than significant impact. Under CEQA, residences, schools, daycare centers, and healthcare facilities, such as hospitals, or retirement and nursing homes, are considered sensitive receptors. For this project, Fort Ord Dunes State Park is also considered a receptor to be considered. Some portions of the busway facilities would be located approximately 120 feet from the nearest residential property line. This distance, and the fact that the project would utilize zero emission vehicles, would not expose these residential receptors to substantial pollutant concentrations.

The proposed project involves roadway improvements that would not result in stationary emissions. The project would also include a transit center with approximately 181 parking spaces. However, the nearest sensitive receptors to the proposed transit center are over 2,300 feet away. Thus, the project would not result in a substantial increase in traffic-related pollutant concentrations that could affect sensitive receptors. Furthermore, the dust and equipment exhaust emissions created during construction would be minimal and would be controlled by compliance with MBARD Dust Construction Mitigation Measures. See **Appendix 6** for additional detail.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?

Less than significant impact. Construction activities associated with the project may generate detectable odors from heavy duty equipment (i.e., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Any construction-related odors would be short-term in nature and cease upon project completion. Therefore, impacts would be less than significant. See **Appendix 6** for additional details.

4.4 Biological Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?		X		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?		X		
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			X	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?		X		
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?			X	

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially significant unless mitigation incorporated. Portions of the project are located within the Coastal Zones of the City of Marina and within land immediately adjacent to the City of Seaside and Fort Ord Dunes State Parks. The Coastal Zones support a diversity of environmentally sensitive habitats, such as coastal scrub and dune scrub that occur along the California coast. Special status species known to potentially occur within the project site include the Townsend's big-eared bat, Monterey dusky-footed woodrat, Northern California legless lizard, Coast horned lizard, Smith's blue butterfly, and nesting raptors and other protected avian species. Despite the disturbed condition of the site, there is the potential for these species to be present. To avoid potential impacts associated with project construction the following mitigation measures would be incorporated into the project to reduce impacts to special status species in the project area to a less than significant level. See **Appendix 7** for detailed discussions on vegetation, sensitive habitats, and special status species within the project alignment.

Mitigation Measures/Project Conditions (For All Project Segments)

MM BIO-1.1 Construction Best Management Practices

The following best management practices will be implemented during construction (i.e., pre-, during, and post-construction) to reduce impacts to special-status plant and wildlife species:

- A qualified biologist will conduct an Employee Education Program for the construction crew prior to any construction activities. The qualified biologist will meet with the construction crew at the onset of construction at the project site to educate the construction crew on the following: 1) the appropriate access route(s) in and out of the construction area and review project boundaries; 2) how a biological monitor will examine the area and agree upon a method which will ensure the safety of the monitor during such activities, 3) the special-status species and sensitive habitats that are known or may be present; 4) the specific mitigation measures that will be incorporated into the construction effort; 5) the general provisions and protections afforded by USFWS and CDFW; and 6) the proper procedures if a special-status species is encountered within the project site.
- Trees and vegetation not planned for removal or trimming will be protected prior to and during construction to the maximum possible through the use of exclusionary fencing, such as hay bales for herbaceous and shrubby vegetation, and protective wood barriers for trees. Only certified weed-free straw will be used to avoid the introduction of non-native, invasive species. A biological monitor will supervise the installation of protective fencing and monitor at least once per week until construction is complete to ensure that the protective fencing remains intact.
- Following construction, disturbed areas will be restored to pre-project contours to the maximum extent possible and revegetated using locally-occurring native species

and native erosion control seed mix, per the recommendations of a qualified biologist.

- Grading, excavating, and other activities that involve substantial soil disturbance will be planned and implemented in consultation with a qualified hydrologist, engineer, or erosion control specialist, and will utilize standard erosion control techniques to minimize erosion and sedimentation to native vegetation (pre-, during, and post-construction).
- No firearms will be allowed on the project site at any time.
- All food-related and other trash will be disposed of in closed containers and removed from the project area at least once a week during the construction period, or more often if trash is attracting avian or mammalian predators. Construction personnel will not feed or otherwise attract wildlife to the area.

MM BIO-1.2 Construction-Phase Monitoring

The applicant will retain a qualified biologist to monitor all ground disturbing construction activities (i.e., vegetation removal, grading, excavation, or similar activities) of the project to protect any special-status species encountered. Any handling and relocation protocols of special-status wildlife species will be determined in coordination with CDFW prior to any ground disturbing activities, and will be conducted by a qualified biologist with appropriate scientific collection permit. After ground disturbing project activities are complete, the qualified biologist will train an individual from the construction crew to act as the on-site construction biological monitor. The construction biological monitor will be the contact for any special-status wildlife species encounters, will conduct daily inspections of equipment and materials stored on site and any holes or trenches prior to the commencement of work, and will ensure that all installed fencing stays in place throughout the construction period. The qualified biologist will then conduct regular scheduled and unscheduled visits to ensure the construction biological monitor is satisfactorily implementing all appropriate mitigation protocols. Both the qualified biologist and the construction biological monitor must work through the State Inspector to cease construction contractor work and/or redirect project activities to ensure protection of resources and compliance with all environmental permits and conditions of the project. The qualified biologist and the construction biological monitor shall complete a daily log summarizing activities and environmental compliance throughout the duration of the project. The log will also include any special-status wildlife species observed and relocated.

MM BIO-1.3 Non-Native, Invasive Species Controls

The following measures will be implemented to reduce the introduction and spread of non-native, invasive species:

- Any landscaping or replanting required for the project will not use species listed as noxious by the California Department of Food and Agriculture (CDFA) or invasive by the California Invasive Plant Council (Cal-IPC).

- Bare and disturbed soil will be landscaped with CDFA recommended seed mix or plantings from locally adopted species to preclude the invasion on noxious weeds in the project site.
- Construction equipment will be cleaned of mud or other debris that may contain invasive plants and/or seeds and inspected to reduce the potential of spreading noxious weeds, before mobilizing to arrive at the construction site and before leaving the construction site.
- All non-native, invasive plant species will be removed from disturbed areas prior to replanting.

MM BIO-1.4 Pre-Construction Surveys for Protected Avian Species

Construction activities that may directly (e.g., vegetation removal) or indirectly (e.g., noise/ground disturbance) affect protected nesting avian species will be timed to avoid the breeding and nesting season. Specifically, vegetation and/or tree removal can be scheduled after September 16 and before January 31. Alternatively, a qualified biologist will be retained by the project applicant to conduct pre-construction surveys for nesting raptors and other protected avian species within 500 feet of proposed construction activities if construction occurs between February 1 and September 15. Pre-construction surveys will be conducted no more than 14 days prior to the start of construction activities during the early part of the breeding season (February through April) and no more than 30 days prior to the initiation of these activities during the late part of the breeding season (May through August). Because some bird species nest early in spring and others nest later in summer, surveys for nesting birds may be required to continue during construction to address new arrivals, and because some species breed multiple times in a season. The necessity and timing of these continued surveys will be determined by the qualified biologist based on review of the final construction plans and in coordination with the CDFW, as needed.

If raptors or other protected avian species nests are identified during the pre-construction surveys, the qualified biologist will notify the project applicant and an appropriate no-disturbance buffer will be imposed within which no construction activities or disturbance should take place (generally 500 feet in all directions for raptors; other avian species may have species-specific requirements) until the young of the year have fledged and are no longer reliant upon the nest or parental care for survival, as determined by a qualified biologist.

Mitigation Measures (For Segments 1-4 and 5th Street Station)

MM BIO-1.5 Pre-Construction Surveys for Monterey Dusky-Footed Woodrat

Not more than thirty (30) days prior to the start of construction of Segments 1-4 and the 5th Street Station (including vegetation removal), a qualified biologist shall conduct a survey of suitable habitat within the work site to locate existing Monterey dusky-footed woodrat nests. All Monterey dusky-footed woodrat nests shall be mapped and flagged for avoidance. Graphics depicting all Monterey dusky-footed woodrat nests shall be

provided to the construction contractor. Any Monterey dusky-footed woodrat nests that cannot be avoided shall be relocated according to the following procedures:

- Each active nest shall be disturbed by the qualified biologist to the degree that the woodrats leave the nest and seek refuge elsewhere.
- Nests shall be dismantled during the non-breeding season (between October 1 and December 31), if possible.
- If a litter of young is found or suspected, nest material shall be replaced and the nest left alone for 2-3 weeks, after this time the nest will be rechecked to verify that young are capable of independent survival before proceeding with nest dismantling.

MM BIO-1.6 Pre-Construction Surveys for Townsend's Big-eared Bat

To avoid and reduce impacts to Townsend's big-eared bat, if the project construction is planned during the reproductive season (May 1 through September 15) MST will retain a qualified bat specialist or wildlife biologist to conduct site surveys to characterize bat utilization within and adjacent to the project site and potential species present (techniques utilized to be determined by the biologist) prior to construction. Based on the results of these initial surveys, one or more of the following will occur:

- If it is determined that bats are not present within or adjacent to the site, no additional mitigation is required.
- If it is determined that bats are utilizing the trees or abandoned buildings within or adjacent to the site and may be impacted by the proposed project, pre-construction surveys will be conducted within 50 feet of construction limits no more than 30 days prior to the start of construction. If, according to the bat specialist, no bats or bat signs are observed in the course of the pre-construction surveys, construction may proceed. If bats and/or bat signs are observed during the pre-construction surveys, the biologist will determine if disturbance will jeopardize the roost (i.e., maternity, foraging, day, or night).

Mitigation Measures (For Segments 1-4)

MM BIO-1.7 SBB Avoidance and Restoration

The host plant species for SBB (i.e. seacliff and dune buckwheat) shall be avoided to the greatest extent feasible. SBB habitat not scheduled for removal shall be protected prior to and during construction to the maximum possible extent through the use of exclusionary fencing or flagging, such as construction fencing or hay bales. Only certified weed-free straw will be used to avoid the introduction of non-native, invasive species. An experienced biological monitor, trained by a qualified biologist will supervise the installation of protective fencing and monitor at least once per week until construction is complete to ensure that the protective fencing remains intact.

If avoidance is not feasible:

- The duff and/or associated soil and plant material underneath the presumed-occupied seacliff or dune buckwheat plants that will be impacted by the project will be removed by hand by a USFWS-approved biologist prior to disturbance, and will be placed as close as possible to, but not on, living seacliff or dune buckwheat plants not scheduled for removal, within the boundaries of exclusionary fencing/flagging.
- The number of plants removed will be quantified and shall be replaced at a 1:1 success ratio for the acreage or individuals impacted. A Restoration Plan shall be prepared by a qualified biologist and implemented. The plan shall include, but is not limited to, the following:
    - A description of the baseline conditions of the habitats within the work site, including the presence of any special-status species, their locations, and densities;
    - Procedures to control and/or eliminate non-native invasive species within the work site;
    - A detailed description of on-site and/or off-site restoration areas, salvage of seed and/or soil bank, plant salvage, seeding and planting specifications, which may include, but is not limited to, an increased planting ratio to ensure the 1:1 success ratio, if required by the USFWS; and
    - A monitoring program that describes annual monitoring efforts which incorporate success criteria and contingency plans if success criteria are not met.

MM BIO-1.8 Special-Status Plant Avoidance and Restoration

Rare plants (i.e. Hooker's manzanita, sandmat manzanita, Monterey spineflower, coast wallflower, and Kellogg's horkelia) shall be avoided to the greatest extent feasible. Rare plants not scheduled for removal shall be protected prior to and during construction to the maximum extent possible through the use of exclusionary fencing or flagging, such as construction fencing or hay bales. Only certified weed-free straw will be used to avoid the introduction of non-native, invasive species. A biological monitor will supervise the installation of protective fencing and monitor at least once per week until construction is complete to ensure that the protective fencing remains intact.

If avoidance is not feasible, the impacted area for each species shall be quantified during final design and each species shall be replaced at a 1:1 success ratio for the acreage or individuals impacted (depending on species impacted) and a Restoration Plan shall be prepared by a qualified biologist and implemented. The plan shall include, but is not limited to, the following:

- A description of the baseline conditions of the habitats within the work site, including the presence of any special-status species, their locations, and densities;
- Procedures to control and/or eliminate non-native invasive species within the work site;

- A detailed description of on-site and/or off-site restoration areas, salvage of seed and/or soil bank, plant salvage, seeding and planting specifications, which may include but is not limited to, an increased planting ratio to ensure the 1:1 success ratio; and
- A monitoring program that describes annual monitoring efforts which incorporate success criteria and contingency plans if success criteria are not met.

MM BIO-1.9 FESA Compliance

MST will comply with the Federal Endangered Species Act (FESA) and will obtain necessary authorization prior to construction of Segments 1-4.

Due to the presence and potential presence of federally listed species within the project site, including the SBB and Monterey spineflower, and Federal nexus (i.e., Federal funding), the Federal Transit Administration, acting as the NEPA lead agency for the proposed project, shall be required to initiate a Section 7 consultation with the USFWS and prepare a written analysis in the form of a Biological Assessment (BA) to determine whether their actions may affect a listed species. Based on the BA, the USFWS will issue a Biological Opinion (BO) regarding likely impacts as a result of implementing the project. Any further avoidance and minimization measures that may be required as a component of the BO will be implemented.

Mitigation Measures (For 5th Street Station)

MM BIO-1.10 Special-Status Plant Surveys and HMP Compliance

A qualified biologist shall be retained to conduct surveys for Monterey spineflower and Yadon's piperia within the 5th Street Station. The surveys shall be conducted during the appropriate identification period(s) to determine presence or absence, according to USFWS, CDFW, and CNPS protocol. The biologist shall prepare a report that provides the results of the survey, and, if found the number and locations of individuals/populations identified.

- If no Monterey spineflower or Yadon's piperia are found, no further mitigation is necessary.
- If Monterey spineflower or Yadon's piperia are found, salvage efforts for these species will be evaluated by a qualified biologist in coordination with the MST prior to construction to further reduce impacts per the requirements of the HMP and 2017 Programmatic BO. Where salvage is determined feasible and proposed, seed collection should occur from plants within the development site and/or topsoil should be salvaged within occupied areas to be disturbed. Seeds should be collected during the appropriate time of year for each species as determined by the qualified biologist. The collected seeds and topsoil should be used to revegetate temporarily disturbed construction areas and reseeding and restoration efforts on- or off-site, as determined appropriate by the qualified biologist and MST.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

Potentially significant unless mitigation incorporated. The project could result in impacts to sensitive natural communities, however, no riparian habitat or waters of the U.S. and/or State were documented within the project site. The project area lies within the California Coastal Zone (Coastal zone), specifically within the boundaries of the Marina, Sand City, and Seaside Local Coastal Plans, as well as California Coastal Commission's original jurisdiction. The LCPs from these agencies address coastal resources, including the protection of biological and wetland resources.

As noted above, some of these specific habitats include coastal scrub and dune scrub that occur along the California coast. Additional areas within the project site that may be considered ESHA include habitat for the Smith's blue butterfly and areas supporting rare plants. To avoid potential impacts associated with project construction to these sensitive habitats, mitigation measures MMs BIO-1.1 through BIO-1.10 and BIO-2.11 would be implemented to reduce impacts to sensitive habitats and ESHA to a less-than-significant level. See **Appendix 7** for detailed discussions on sensitive habitats and ESHA within the project alignment.

Mitigation Measure/Project Conditions

MM BIO-2.11 Dune Scrub Restoration

Dune scrub shall be avoided to the greatest extent feasible. If avoidance is not feasible, dune scrub habitat shall be replaced at a 1:1 success ratio for the acreage impacted and a Restoration Plan shall be prepared by a qualified biologist and implemented. The plan shall include, but is not limited to, the following:

- A description of the baseline conditions of the habitat that will be impacted;
- A detailed description of on-site and/or off-site restoration areas, a planting palette, salvage of seed and/or soil bank, plant salvage, seeding and planting specifications, which may include, but is not limited to, an increased planting ratio to ensure the 1:1 success ratio;
- Procedures to control and/or eliminate non-native invasive species within the restoration site; and
- A monitoring program that describes annual monitoring efforts which incorporate success criteria and contingency plans if success criteria are not met.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological?

No impact. No State or federally protected wetlands are present within the project area. For these reasons, these topics are not discussed further in this document.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than significant impact. The project site is not located within any significant wildlife movement corridors or linkages. See **Appendix 7** for additional details. The majority of the project site is comprised of ruderal and/or developed areas and runs adjacent to existing roads, Highway 1, shopping centers, and other businesses, which in general isolates the project site from other undeveloped areas. As such, the project site provides little use as a corridor for wildlife movement. Therefore, the proposed project would not disconnect, fragment, or otherwise impeded wildlife movement in the primary, significant wildlife movement corridors in the area.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Potentially significant unless mitigation incorporated. Construction of the proposed project could result in permanent impacts to trees within the project site; however, the number or type of trees to be removed have not been identified at this time. However, based on the biological resource surveys conducted (see Appendix 7) it is conservatively estimated for planning purposes that 60 to 90 regulated trees may require removal along the alignment if they cannot be avoided through design. Removal of native and other important trees are protected under local tree removal ordinances and impacts are typically addressed and mitigated under CEQA. Implementation of MM BIO-4.12 requires that native trees be avoided and protected during construction to the greatest extent feasible and that native trees removed be replaced at a 1:1 mitigation ratio. Implementation of this measure will ensure compliance with local policies or ordinances protecting trees, reducing potential impacts to less-than-significant. See **Appendix 7** for detailed discussion.

Mitigation Measure

MM BIO-4.12 Native Tree Protection and Replacement Measures

To maximize native tree retention and protection, a forester, arborist, or other tree care professional shall be involved in the review and development of final grading and construction plans wherever trees occur within the site or at the grading margins. To avoid unintended impacts to native trees outside the construction area, the following native tree protection measures shall be implemented:

- Temporary construction fencing shall be placed at approximately 10 feet from the trunk, limiting work within the dripline (e.g. and no grading, trenching, or vegetative alteration shall occur within this environmental exclusion zone). Grading, vegetation removal, and other ground disturbing construction activities may not commence until the project forester has inspected and approved the protective fencing installed by the contractor. No equipment or materials, including soil, shall be stored within the established environmental exclusion zone. Prior to grading within 25 feet of retained trees, the project forester, arborist, or other tree care professional shall be consulted to determine whether pruning is necessary to protect limbs from grading equipment.

- To avoid soil compaction from damaging the roots, heavy equipment shall not be allowed to drive over the root area. If deemed necessary and approved by the forester, equipment may drive across one side of the tree. To reduce soil compaction, wood chips shall be spread 6-12 inches deep to disperse the weight of equipment and plywood sheets shall be placed over the wood chips for added protection.
- Roots exposed by excavation must be pruned and recovered as quickly as possible to promote callusing, closure, and healthy regrowth.
- Retained trees shall be watered periodically in accordance with species need to promote tree health. Transplanted trees and their intended planting areas shall be pre-watered. Post planting watering shall be done as needed to assure establishment.
- When project design is completed, an estimate of the appropriate number of replacement trees shall be made based on available planting space. These replacement trees (minimum five-gallon specimens) shall be planted along boundaries and within landscape areas. Planting density for replacement trees shall be accurately detailed to allow for some unavoidable mortality over time.
- Transplants are encouraged and shall be credited on a 1:1 basis. Final replanting numbers may be modified by additional tree retention and should be made part of the final landscaping plan.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Less than significant impact. The project site is not located within an approved Habitat Conservation Plan (HCP) or Natural Community Conservation Plan (NCCP) area. However, the 5th Street Station is located within the former Fort Ord and the plan area of the Fort Ord Habitat Management Plan (HMP). See **Appendix 7** for more detail regarding project's consistency with the approved Fort Ord HMP.

4.5 Cultural Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?			X	
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?		X		
c) Disturb any human remains, including those interred outside of dedicated cemeteries?		X		

a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?

Less than significant impact. Implementation of the proposed action would not result in operational-related impacts to historic architectural resources because the proposed action would not directly or indirectly affect any identified historic resource within or near the project alignment. While three historic era resources were identified – the MBL, Fort Ord loading platform and commercial structure on Del Monte Boulevard – these resources were determined in the historic resource evaluation to be ineligible for historic status or listing on any State, federal or local historic register. See **Appendix 8** for detailed discussion.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Potentially significant Impact unless mitigation incorporated. While no prehistoric sites have been identified within or near the project alignment, the potential remains to uncover or disturb previously unknown resources during the construction phase of the project. To address this potential impact, the following standard mitigation measures are required.

Mitigation Measures/Project Conditions

MM CR-1 Preconstruction Archaeological and Paleontological Sensitivity Training

Prior to construction, all personnel directly involved in project related ground

disturbance shall be provided archaeological and paleontological sensitivity training. The training will be conducted by a qualified Archaeologist and Paleontologist that meet the Secretary of the Interior's standards for archaeology and CEQA qualifications for paleontology. The training will take place at a day and time to be determined in conjunction with the project construction foreman, and prior to any scheduled ground disturbance. The training will include: a discussion of applicable laws and penalties; samples or visual aids of artifacts and paleontological resources that could be encountered in the project vicinity, including what those artifacts and resources may look like partially buried, or wholly buried and freshly exposed; and instructions to halt work in the vicinity of any potential cultural resources discovery, and notify the archaeological or paleontological monitor as necessary.

MM CR-2 Procedures for Inadvertent Discovery

Inadvertent Discovery of Archaeological or Tribal Cultural Resources
In the event archaeological resources are encountered during ground disturbing activities, contractor shall temporarily halt or divert excavations within a 100-foot radius of the find until it can be evaluated.

CEQA Guidelines requires that all potentially significant archaeological deposits be evaluated to demonstrate whether the resource is eligible for inclusion on the California Register of Historic Resources, even if discovered during construction. If archaeological deposits are encountered they will be evaluated and mitigated simultaneously in the timeliest manner practicable, allowing for recovery of materials and data by standard archaeological procedures. For prehistoric archaeological sites, this data recovery involves the hand-excavated recovery and non-destructive analysis of a small sample of the deposit. Historic resources are also sampled through hand excavation, though architectural features may require careful mechanical exposure and hand excavation.

Any previously undiscovered resources found during construction activities shall be recorded on appropriate California Department of Parks and Recreation (DPR) forms and evaluated for significance in terms of CEQA criteria by a qualified Archaeologist. Significant cultural resources consist of but are not limited to stone, bone, glass, ceramics, fossils, wood, or shell artifacts, or features including hearths, structural remains, or historic dumpsites. If the resource is determined significant under CEQA, a qualified Archaeologist shall prepare and implement a research design and archaeological data recovery plan that will capture those categories of data for which the site is significant in accordance with Section 15064.5 of the CEQA Guidelines.

If such resources or artifacts are determined to be of native tribal origin, any mitigation or recovery program shall include direction from Ohlone/Costanoan Esselen Nation (OCEN) tribal leadership for proper handling and treatment.

The Archaeologist shall also perform appropriate technical analyses, prepare a comprehensive report complete with methods, results, and recommendations, and provide for the permanent curation of the recovered resources. The report shall be submitted to MST, TAMC, the NWIC, and the State Historic Preservation Office, as

required.

Inadvertent Discovery of Paleontological Resources
A qualified Paleontologist (per CEQA definition) shall be retained to supervise monitoring of construction excavations and to produce a Paleontological Monitoring and Mitigation Plan for the project based on the location and depth of excavation. Project related excavations that occur in surficial younger (Holocene-age) alluvial and fluvial deposits and/or topsoil (less than 10 feet in depth) will be monitored on a periodic basis to ensure that the potential underlying paleontologically sensitive sediments are not being affected. Paleontological resource monitoring will include inspection of exposed rock units during active excavations within sensitive geologic sediments, if present.

The paleontological monitor will have the authority to temporarily divert grading away from exposed fossils to professionally and efficiently recover the fossil specimens and collect associated data. All efforts to avoid delays to project schedules will be made. Collected fossils will be transported to a paleontological laboratory for processing, identification, analysis and curation. The qualified Paleontologist shall prepare a final monitoring and mitigation report to be filed with MST and, if fossil resources are found, the repository.

Inadvertent Discovery of Human Remains
In the event that human remains (or remains that may be human) are discovered at the project site, Public Resource Code Section 5097.98 must be followed. All grading or earthmoving activities shall immediately stop within a 100-foot radius of the find. The project proponent shall then inform the Monterey County Coroner and the respective city (e.g. City of Marina, Sand City, or Seaside) immediately, and the Coroner shall be permitted to examine the remains as required by California Health and Safety Code Section 7050.5(b).

Section 7050.5 requires that excavation be stopped in the vicinity of discovered human remains until the Coroner can determine whether the remains are those of a Native American. If human remains are determined as those of Native American origin, the Applicant shall comply with the state relating to the disposition of Native American burials that fall within the jurisdiction of the NAHC (Public Resource Code [PRC] § 5097). The Coroner shall contact the NAHC to determine the most likely descendant(s) (MLD). The MLD shall complete his or her inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. The MLD will determine the most appropriate means of treating the human remains and associated grave artifacts, and shall oversee the disposition of the remains.

In the event the NAHC is unable to identify an MLD or the MLD fails to make a recommendation within 48 hours after being granted access to the site, the landowner or his/her authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity within the project area in a location not subject to further subsurface disturbance.

4.6 Energy

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than significant impact. The Pacific Gas & Electric Company (PG&E) provides electricity and natural gas service to the Project area. The proposed project would reduce congestion on Highway 1 from local and inter-regional commuter traffic by providing an accessible 100 percent zero emission transit alternative. The project would result in a nominal increase in electricity and natural gas demand. This nominal increase represents an insignificant percent increase compared to overall demand in PG&E's service area. Therefore, projected electrical and natural gas demand would not significantly impact PG&E's level of service.

During construction, transportation energy use depends on the type and number of trips, vehicle miles traveled, fuel efficiency of vehicles, and travel mode. Transportation energy use during construction would come from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction employee vehicles that would use diesel fuel and/or gasoline. The use of energy resources by these vehicles would fluctuate according to the phase of construction and would be temporary. Most construction equipment during demolition and grading would be gas-powered or diesel-powered, and the later construction phases would require electricity-powered equipment. Impacts related to transportation energy use during construction would be temporary and would not require expanded energy supplies or the construction of new infrastructure; impacts would not be significant.

During operations, energy consumption associated with operation of the zero-emission busses would be nominal. Furthermore, the project site and surrounding areas are highly urbanized with numerous gasoline fuel facilities and infrastructure. Consequently, the proposed project would not result in a substantial demand for energy that would require expanded supplies or the construction of other

infrastructure or expansion of existing facilities. Additionally, fuel consumption associated with vehicle trips generated by the proposed project would not be considered inefficient, wasteful, or unnecessary. The proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Therefore, impacts are considered less than significant, and no mitigation is required.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less than significant impact. The project is a transit facility designed to carry passengers that would utilize almost no energy, except what may be required for low intensity safety lighting along the corridor. The project is not anticipated to require natural gas. The project would result in 7 MTCO2e/yr from energy consumption. See **Appendix 11** for discussion on the project's energy consumption during operations and project consistency with policies and actions identified in the City of Marina, Seaside, and Sand City's general plans.

4.7 Geology and Soils

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?		X		
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less than significant impact. The project site is not located within an Alquist-Priolo Earthquake Fault Zoning Map as mapped by the State Geologist. There are four faults that cross the project alignment: the Chupines Fault, Seaside Fault, Ord Terrace Fault, and Reliz Fault. However, these faults are not considered sufficiently active or well-defined. The potential is very low that the individual traces of these faults could generate an earthquake and result in surface fault rupture. See **Appendix 10** for additional details.

ii. Strong seismic ground shaking?

Less than significant impact. Four faults cross the project alignment, however, none of these faults are currently considered active and their potential for surface-rupture is considered very low to low. The largest ground motion would likely be the result of movement along the Monterey Bay-Tularcitos Fault. However, the project is primarily a roadway project, and would be required to be designed and constructed to withstand substantial ground shaking in order to minimize seismic impacts. Compliance with currently structural codes to address the potential for ground shaking and structure stability would reduce impacts to a less-than-significant level.

iii. Seismic-related ground failure, including liquefaction?

Less than significant impact. Liquefaction generally occurs as a “quicksand” type of ground failure caused by strong ground shaking. The primary factors influencing liquefaction potential include groundwater, soil type, relative density of the sandy soils, confining pressure, and the intensity and duration of ground shaking. As shown in Exhibit 4.4.3 of the Monterey County General Plan EIR, the potential for liquefaction to occur at the project site is low. See **Appendix 10** for additional discussion.

iv. Landslides?

Less than significant impact. The majority of the project alignment traverses relatively flat terrain on existing roadways or adjacent to existing railroad tracks, where landslides and slope instability are not a

concern. Based on a search of the California Department of Conservation Landslide Inventory, the project site has gentle to low slope gradients. The potential for deep seated land sliding to occur in the bedrock is low to nil.

b) Result in substantial soil erosion or the loss of topsoil?

Less than significant impact. The soils at the project site have a moderate to high soil erosion potential. The majority of the project site is on existing hardscaped railway and is surrounded by coastal vegetation. The southern end of the project site is surrounded by hardscape surfaces, limiting the potential for downstream/off-site erosion impacts on neighboring property. Because the project site is already in a developed area and surrounded by vegetation, there is a lower potential for off-site erosion impacts to occur during construction. Construction and water quality best practices as required by existing codes and regulations will limit erosion on the relatively small construction footprint of the project. Design features such as footing placement away from slopes and footing depths will minimize erosion during and following construction.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Potentially significant unless mitigation incorporated. The project site is located on soils that are good for use as roadway fills and firm overburden soils that are suitable for foundation support. However, the potential for soil erosion is high in areas where younger and older dune sand deposits are, especially if not covered by vegetation. While the geologic unit below the project is very stable, the site is nonetheless subject to common risks associated with the local soils. With implementation of Mitigation Measure (MM) GEO-5 and adherence to local building and engineering standards, the site's geologic and soil constraints would be reduced to a less-than-significant level through construction-level geotechnical recommendations and compliance with all applicable codes and regulations. See **Appendix 10** for detailed discussion on the potential for landslides, liquefaction and subsidence, lateral spreading, collapse, and expansive soils as a result of the project.

Mitigation Measure/Project Conditions

MM GEO-5 Final Geotechnical Evaluation

A construction level geotechnical evaluation shall be prepared and implemented for the project based on the final engineering plans. The project shall be required to adhere to and incorporate all standards and recommended engineering measures to mitigate for liquefaction, expansive soils and other local soil constraints. The final geotechnical evaluation will be prepared by MST and provided to the affected land use agencies for review prior to the issuance of local building permits or related local approvals.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than significant impact. As discussed above, the subsurface profile of the site generally consists of Baywood sand and Oceano loamy sand. Based on a review of environmental databases, soils in the

project site, both Baywood and Ocean Series are composed of sand and have low water storage potential and a low potential for expansion. Thus, impacts would be less than significant. See **Appendix 10** for additional details.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No impact. The proposed project would not require the extension or installation of wastewater connections as this service is not essential to busway operations. However, should restrooms be required for the 5th Street Station in the future, MST would seek water and wastewater connections from the City of Marina.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially significant unless mitigation incorporated. See **Appendix 8**. Based on the previous paleontological resource assessment covering the proposed project alignment, no paleontological resources were identified. The likelihood of encountering unique paleontological resources was determined to be low to high with increasing depth. Excavation depths for the project will be shallow. Because there is the potential to uncover paleontological resources in previously undisturbed portions of the project area, ground disturbing activities during construction could potentially result in significant impacts to paleontological resources. Implementation of MM CR-1 and MM CR-2 would require all construction personnel involved in project-related ground disturbances to be provided archaeological and paleontological sensitivity training and effectively mitigate potential effects to paleontological resources.

4.8 Greenhouse Gas Emissions

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than significant impact. For the purpose of this environmental analysis, the project's construction-related GHG emissions were forecasted based on the proposed construction schedule and applying the mobile-source and fugitive dust emissions factors derived from CalEEMod. The project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles. Project construction-related activities would generate approximately 1,088 $MTCO_2e$ of GHG emissions over the course of construction. However, project construction-related GHG emissions would be short term and would cease once construction is complete. This is less than the CARB Mandatory Reporting applicability level of 2,500 $MTCO_2e$ per year. See **Appendix 11** for a detailed discussion on construction-related impacts from GHG emissions.

Operational or long-term emissions would occur over the project's life. The project consists of approximately 6 linear miles of roadway surface and related improvements to provide dedicated express busway service that would ultimately be expected to reduce greenhouse gas emissions in the Monterey Bay region. The majority of project emissions (approximately 100 percent) would occur from mobile and energy sources. Although MBARD does not have adopted GHG emission significance thresholds, the project's estimated GHG emissions (about 219.19 MT/ CO_2e year) is well below the significance threshold of 1,100 $MTCO_2e$ per year used in neighboring air districts and the 2,000 MT of CO_2e/year threshold that had been under consideration by the MBARD. See **Appendix 11** for a detailed discussion on operational-related impacts from GHG emissions.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than significant impact. As discussed above in Impact a), the project would not exceed significance thresholds for construction or operation of the project. The proposed BRT project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. See **Appendix 11** for a more detailed discussion.

4.9 Hazards and Hazardous Materials

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?		X		
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?			X	
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?				X

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less than significant impact. The normal operation of the SURF! busway along the right of way will not involve the routine transport, use or disposal of hazardous materials other than may be required for routine maintenance. This project is a transit facility designed to carry passengers. Construction of the project would require staging, site preparation, grading and construction of the new busway and station. These activities may require the use of heavy equipment that would need refueling and/or limited maintenance on site, as well as the use of materials and chemical processes typical of roadway construction. However, as the project alignment is not in a heavily populated area and would not involve the routine transport or disposal of hazardous materials, construction effects are less than significant. See **Appendix 12** for detailed discussion.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than significant impact. As discussed above, the busway project is a transit project that will transport people, not hazardous materials. For these reasons, normal project operations will not result in significant environmental hazards because the project will not use, transport, or expose people or property to such materials. However, based on the Phase I site investigations conducted along the alignment, hazardous wastes may be encountered during the construction process and hazardous materials may be used or generated during the construction process. Implementation of the following mitigation measures would reduce potential impacts related to reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment during project construction. See **Appendix 12** for additional details.

Mitigation Measures/Project Conditions

MM HAZ-2.1: Soil and Groundwater Management Plan

A Soil and Groundwater Management Plan shall be prepared prior to ground disturbance, identifying the methods and procedures required to handle, store, transport and dispose of chemically impacted soil and groundwater. If groundwater is encountered during construction, groundwater sampling shall be conducted to determine contaminants and contamination levels. If contamination is found, a work

plan shall be developed and implemented by the project geotechnical engineer consistent with the Management Plan to protect the health of construction workers.

MM HAZ-2.2: Work Plan

Once the construction plans showing the depth and extent of the excavation are completed for all project segments, a targeted soil and groundwater sampling shall be conducted in areas of known or suspected contamination prior to the start of disturbance in those areas. If contamination is found, a work plan shall be developed by the project geotechnical engineer to protect the health of construction workers.

MM HAZ-2.3: Asbestos and Lead Paint Survey

Any hazardous materials or wastes encountered before or during the demolition stage of the project shall be disposed of according to current regulatory guidelines. If any structures are to be removed or demolished, an asbestos and lead paint survey shall be conducted for compliance with National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations and air district rules.

MM HAZ-2.4 Worker Health and Safety Plan

A worker health and safety plan (HSP) that meets the provisions of California Code of Regulations (Title 22, Section 5192) shall be developed by the project contractor. HSP procedures will address the identification, excavation, handling, and disposal of hazardous wastes and materials that may be found in construction areas. The HSP shall include Best Management Practices (BMPs) that all contractors must employ during construction.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less than significant impact. The nearest school within one-quarter mile of the busway is Seaside High School. However, any hazardous materials encountered during construction would be addressed at the site and be subject to all existing and applicable regulations regarding the handling and disposal of such materials. If the handling and disposal of contaminated soils is encountered, it may need to be transported on roadways near the high school. With the application of existing regulations, there is no acute risk associated with transport. See **Appendix 12** for additional discussion.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Potentially significant unless mitigation incorporated. See **Appendix 12** for a list of cleanup sites within 500 feet of the project site. As a transportation project, the busway is not considered a sensitive land use that would be affected by these conditions while in operation. Implementation of mitigation measures MM HAZ HAZ-2.1, HAZ-2.2, HAZ-2.3, and HAZ-2.4 would address residual environmental concerns if encountered during construction. See **Appendix 12** for additional information.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Less than significant impact. The project alignment through the City of Marina and Sand City is located within the Airport Influence Area (Zone 7) of the Marina Municipal Airport and the Monterey Regional Airport. However, the aircraft accident risk level is considered to be low within this AIA zone. Marina Municipal Airport is used for general aviation aircraft operations, and the busway project operations result in little to no risk from these operations. As such, impacts would be less than significant. See **Appendix 12** for additional information.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No impact. The busway project would create a dedicated bus lane running parallel to Highway 1 within the TAMC right-of-way. As one of the objectives of the project is to relieve highway congestion, such relief would be a benefit to any emergency response plan intended to quickly and efficiently move or evacuate people. Further, the project could potentially serve as an alternative travel corridor for emergency vehicles in the event that the highway is congested. For these reasons, the project could have beneficial impacts to locally adopted emergency response plans.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No impact. The entire length of the busway alignment contains only sparse vegetation in coastal dune habitat and is highly disturbed. The proposed project corridor is within a transportation corridor and not within a Very-High Fire Hazard Severity Zone as mapped by CALFIRE. Given this lack of fuel, the project would not be susceptible to wildland fires, nor would the project pose a risk as a source of fire. Because the project is not within an area identified as having a high potential for wildland fire, the project would have no impact related to exposing people or structures to a significant risk of loss, injury, or death from wildland fire, as per CEQA Guidelines.

4.10 Hydrology and Water Quality

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				X
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:			X	
i. Result in substantial erosion or siltation on- or off-site?			X	
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?			X	
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than significant impact. Construction associated with the project would include demolition, grading, excavation, and temporary land disturbance to bare areas which would displace soils and temporarily increase the potential for soils to be subject to wind and water erosion. Construction-related effects to water quality would be addressed through compliance with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit (CGP). A Storm Water Pollutant Prevention Plan (SWPPP), which must include erosion-control and sediment-control BMPs for construction and post-construction conditions to control potential construction-related pollutants from migrating off site into the storm drain system and into or directly in receiving waters would be required to obtain coverage under the CGP. Compliance with these requirements would reduce potential impacts to water quality standards to a less-than-significant level. See **Appendix 13** for additional details.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

No impact. The project would not require the use of nor withdraw groundwater for use in construction or operation of the site, except for temporary use of privately purchased trucked water used for dust suppression during grading and construction. With appropriately designed stormwater detention, the increase in impervious surfaces from the busway lanes would not interfere with groundwater recharge. Thus, the project would have no impact to existing groundwater supply.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i. Result in substantial erosion or siltation on- or off-site?

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less than significant impact. See Threshold 4.10 (a) above regarding existing controls and regulations already in place to manage water quality from site construction activity and post construction runoff. As noted above, project construction will require some earth moving and excavation for construction of the busway alignment. However, the project will be required to incorporate several BMPs into the project plans and implement those measures during construction, as already required by the local agencies' stringent stormwater measures. As discussed above, the project would be required to comply with the CGP during construction and PCRs during project operation, which means the project would not result in substantial erosion or siltation on- or offsite or increase the rate of flooding on- or offsite. Similarly, as stormwater runoff would be captured and infiltrated to the extent feasible, and new stormwater facilities would be sized to meet local standards. As such, the project would not exceed the capacity of existing or planned stormwater drainage systems. See **Appendix 13** for additional information.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No impact. The project site is located within Zone X, an Area of Minimal Flood Hazard. Thus, the project site is not located within the 100-year floodplain nor a special flood hazard area as defined by the Federal Emergency Management Agency and is not at risk from inundation.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than significant impact. The project would not require groundwater use for project construction or operation of the site, except for temporary use of privately purchased trucked water for dust suppression during grading and construction. Thus, no conflict to groundwater supply would occur in this regard. As identified above, the project will be subject to the stringent water quality control measures during construction and will have no effect on groundwater resources. See **Appendix 13** for additional information.

4.11 Land Use and Planning

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Physically divide an established community?				X
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				X

a) Physically divide an established community?

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No impact. The project is located within an existing transportation corridor and will not significantly disrupt or divide existing neighborhoods or communities. As the busway project is intended to improve overall mobility connections for residents and visitors traveling to and from the Monterey Peninsula, the project should result in beneficial impacts by providing a safe and reliable transit connection to employment, education, and health care centers along the corridor for visitors and residents, consistent with local land use policies. See **Appendix 9** for additional information regarding consistency with local policies.

4.12 Mineral Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No impact. The project location and nature of the improvements will result in no impacts with respect to mineral resources. There are no known mineral resources located within the area of ground disturbance.

4.13 Noise

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than significant impact. The project would involve construction activities which would be temporary and have a short duration resulting in periodic increases in the ambient noise environment. Primary construction activities associated with development of the project would include site preparation, grading, retaining wall installation and paving. During construction, exterior noise levels could affect the residential neighborhoods and adjacent commercial and industrial uses at the north and south ends the construction area. Project construction would occur approximately 65 feet from existing commercial and industrial uses, and approximately 90 feet from the nearest residential uses to the north of the project site. These sensitive uses may be exposed to elevated noise levels during project construction. However, it is noted that construction activities would occur throughout the project site and would not be concentrated at a single point near sensitive receptors for an extended period of time. Project construction would be required to comply with the allowable construction hours set forth in Seaside Municipal Code Section 9.12.030, Marina Municipal Code Section 9.24.040, and Chapter 10.60 of the Monterey County Code of Ordinances. In addition, all construction equipment would be equipped

with properly operating and maintained mufflers and other state required noise attenuation devices, helping to reduce noise at the source. See **Appendix 14** for additional details.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less than significant impact. Project construction can generate varying degrees of groundborne vibration depending on the construction procedure and type of construction equipment used. The effect on buildings located near a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver buildings. The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The Federal Transit Administration (FTA) has published standard vibration velocities for construction equipment operations (i.e., 0.20 inch/second). Groundborne vibration decreases rapidly with distance. Based on the FTA data, vibration velocities from typical heavy construction equipment operations that would be used during project construction range from 0.003 to 0.210 inches per second peak particle velocity (PPV) at approximately 25 feet from the source of activity. The nearest off-site structures are commercial buildings located approximately 25 feet from the active construction zone for the proposed project. At this distance, construction vibration levels would be approximately 0.089 in/sec PPV. Therefore, construction equipment vibration velocities would not exceed the FTA's 0.20 PPV threshold or Caltrans' human annoyance threshold of 0.1 in/sec PPV. In general, other construction activities would occur throughout the project site and would not be concentrated at the point closest to the nearest off-site structures. Therefore, vibration impacts associated with the project would be less than significant.

To determine potential project operational vibration impacts from the project, a General Vibration Assessment was prepared for project operational bus pass-bys, in accordance with the FTA Noise and Vibration Manual. The nearest off-site structure (a commercial building), and residence are located approximately 40 feet and 75 feet, respectively, from the proposed busway driving lane. At this distance and a maximum speed of 65 mph, vibration levels would be at a vibration velocity of approximately 72 VdB at the at the nearest commercial building and 66 VdB at the nearest residence, which would be below the FTA's 75 VdB ground-borne vibration impact level for Land Use Category 3 uses (commercial) and Land Use Category 2 (residential) uses for frequent events. As a result, vibration levels from bus pass-bys associated with the proposed project would not cause structural damage at off-site structures or create human annoyance. See **Appendix 14** for additional information.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No impact. The Monterey Regional Airport is located approximately 1.30 miles south of the project site and the Marina Municipal Airport is located approximately 1.90 miles east of the project site; there are no private airstrips in the project area. The project site lies outside the 65 dBA CNEL noise contour specified in the Monterey Regional Airport Land Use Compatibility Plan Update (May 2018). As a transportation project aircraft noise would have no adverse effects.

4.14 Population and Housing

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No impact. The project, a linear busway facility located within TAMC's Monterey Branch Line right-of-way, will not displace people or housing along the alignment that would necessitate the building of housing elsewhere. No relocation or condemnation actions are required. Nor would the project induce substantial unplanned population growth along the alignment. The adopted general plans for the affected land use agencies provide for planned growth within their jurisdictional boundaries. As such, the project would provide needed transit service for the planned population.

4.15 Public Services

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?				X
ii) Police protection?				X
iii) Schools?				X
iv) Parks?				X
v) Other public facilities?				X

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

i. Fire protection?

ii. Police protection?

iii. Schools?

iv. Parks?

v. Other public facilities?

No impact. The busway project is a transportation facility that will not generate new population that would require additional public services such as schools, parks or government facilities. The busway will be maintained by MST and would not require maintenance by Marina, Sand City, Seaside, or Monterey County public works departments. In terms of fire and police protection, the project may provide enhanced vehicle access and/or an emergency access route to better serve the coastline from Marina to Sand City. Given these benefits, and the fact that no new public service facilities would need to be constructed because of the busway project, no impacts would be expected.

4.16 Recreation

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			X	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Less than significant impact. The project would not generate additional population near existing parks and recreational facilities. An increase in people is typically what causes increased use and deterioration of existing facilities. As part of the busway project, there would be associated bicycle and pedestrian improvements that may allow for connections to the region's existing and planned recreational trail facilities, such as Fort Ord Dunes State Park, Fort Ord Regional Trail and Greenway, and the Monterey Bay Coastal Recreation Trail. These connections would allow pedestrians or cyclists to more easily access the recreational areas, but any increase in usage caused by the project would be incidental and less than significant. Operation of the proposed project would increase public access to park and recreational facilities located along the proposed action alignment and would result in a beneficial effect. The project when completed will increase the total length of bicycle/pedestrian facilities over existing conditions. Minor realignment of existing bicycle/pedestrian facilities and new connections will be planned to allow continued use of facilities during construction. The physical effects of constructing the project are addressed throughout this Initial Study.

4.17 Transportation

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?				X
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?				X
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?				X

a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

No impact. One of the primary objectives of the project is to implement associated traffic, bicycle and pedestrian circulation improvements along the local network in conjunction with the dedicated busway. Safe and reliable transit connections along the corridor is consistent with the TAMC, MST, City of Marina, City of Sand City, City of Seaside, and Monterey County's planning documents, including the respective circulation elements of each jurisdiction's general plans. As such, the project will have no significant environmental impacts with respect to program or plan conflicts. See **Appendix 2** for more information.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

No impact. CEQA Guidelines Section 15064.3 addresses new requirements for analyzing vehicle miles traveled (VMT). However, SB 743 guidance issued by the Office of Planning and Research (OPR) states that initiation of new transit service would be exempt from new VMT requirements under CEQA. Transit projects would be expected to reduce regional VMT and therefore result in beneficial impacts. See **Appendix 2** for additional information.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less than significant impact. The project will introduce SURF! buses along a new route where bus traffic currently does not exist. Along Palm Avenue and Marina Drive in Marina (Segment 1) buses would be traveling at low speeds through this section as they approach and depart the new platforms. Pedestrian crossings of the bus lanes in this location (as well as the crossings at the 5th Street underpass and near the new California Avenue roundabout) have been designed for safety by installing stops and lighting infrastructure, and by placing the crossings in locations where buses are traveling at slow speeds. Gates and other infrastructure have been designed to prevent inadvertent access onto the bus lanes by private vehicles, and the roundabout has been designed to meet standards for bus movements. New signalization at Playa Avenue/California Avenue should also result in better and safer traffic flow compared to the existing stop controls. With these design and safety features, potential impacts are less than significant.

d) Result in inadequate emergency access?

No impact. Where the SURF! route accesses public roadways, the 10-minute headways will have little effect on traffic operations and will not impede emergency access at any location or emergency vehicle movements. Within the TAMC corridor, the project may provide an alternative access for emergency vehicles if Highway 1 is closed or heavily congested.

4.18 Tribal Cultural Resources

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?		X		
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?		X		

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i)Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Potentially significant unless mitigation incorporated. Please see Section 4.5 of this Initial Study (Cultural Resources) and **Appendix 8**. While no prehistoric sites have been identified within or near the project alignment (with the exception of one recorded that has not been located by current studies and is assumed to be destroyed), the potential remains to uncover or disturb previously unknown resources during the construction phase of the project. Mitigation measures MM CR-1 and MM CR-2 are in place if such resources are discovered during construction. See **Appendix 8** for additional information.

4.19 Utilities and Service Systems

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				X
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less than significant impact. Construction of the project will not require the extension or installation of traditional wet utility systems (water and wastewater) as those services are not essential to busway operations. However, the project will require street/busway/pedestrian lighting (primarily at the Palm/Del Monte bus stop, 5th Street Station and California Avenue Roundabout). As discussed in **Appendix 3**, restrooms could be desired at the 5th Street Station in the future. Should restrooms be pursued, MST would seek water and wastewater connections from the City of Marina.

Near the Palm/Del Monte location, an existing storm drain outlet discharging onto Marina Drive may be routed to an existing storm drain to avoid potential conflicts with busway/platform construction and to improve localized drainage in this immediate area. No other major existing utility systems or major infrastructure will require relocation to construct the project. The railroad tracks will remain in place.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

No impact. The project will not require a water supply or generate wastewater. As discussed in **Appendix 3**, restrooms could be preferred for the 5th Street Station in the future. Should restrooms be pursued, MST would seek water and wastewater connections from the City of Marina.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than significant impact. The project will result in small amounts of solid construction waste but will not create a permanent waste stream. This temporary and limited amount of construction waste will not exceed standards, local infrastructure, or negatively impact solid waste reduction goals and regulations. The solid waste from construction activities will be properly disposed of according to current law. As discussed above, the busway project is a transit project that will transport people when in operation and would not generate significant amounts of solid waste. Solid waste from operations would be limited to trash receptacles at the stations and stops.

4.20 Wildfire

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				X
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No impact. The busway project is located in an urbanized area and within the disturbed coastal dune environment parallel to Highway 1. The project is not located in a high fire hazard severity zone. With no significant sources of fuel – and the fact that the project will not introduce a permanent population – this issue has been removed from further analysis.

4.21 Mandatory Findings of Significance

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
Does the project:				
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?			X	
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				X

a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than significant impact with mitigation incorporated. As addressed under Biological Resources the project is immediately adjacent to environmentally sensitive habitat areas (ESHA) that include coastal

scrub and dune scrub habitats that occur along the California coastal zone. The project would impact rare and endangered plant species and potentially effect special status animal species during construction. However, the project as designed and mitigated through the federal Section 7 permit process will fully mitigate these species impacts through habitat restoration and other measures.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less than significant impact. The project is a busway and bus rapid transit project that is unique in terms of use and geography. The incremental effects as described in this Initial Study are largely site specific and will not combine with the effects of other related projects to create cumulatively considerable effects. Other nearby, related or reasonably foreseeable projects could include the North Fremont Street roadway improvements that have recently been constructed, and the FORTAG regional trail that will be near the project along Canyon Del Rey Boulevard. These projects provide some level of cumulative benefit as they provide opportunities for non-motorized travel, reductions in greenhouse gasses and vehicle miles travelled, and enhanced trail connections. In terms of construction, construction timelines are not concurrent with these projects, limiting the potential to combine to create a cumulatively considerable effect.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than significant impact. As evidenced within this initial study and appendices to the NOE, the project has little potential to cause adverse effects on human beings from environmental concerns such as air quality, noise or exposure to geologic or hazardous materials risks. The nature of the project will not generate a new or permanent population that will be exposed to environmental concerns, will not use or transport hazardous materials, or adversely affect emergency response plans.

5.0 REPORT PREPARERS

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California Coastal Commission

COASTAL DEVELOPMENT PERMIT

CDP 3-23-0288 (MST Bus Road)

Permittee: Monterey-Salinas Transit

Issue Date: September 18, 2024

Coastal development permit (CDP) number 3-23-0288 was approved by the California Coastal Commission on September 12, 2024. 3-23-0288 allows MST to construct a new 4.2 mile long, 30-foot-wide paved bus road and associated development including drainage infrastructure, retaining walls, a bus stop, pedestrian crossings, and a 700-foot extension of the Monterey Bay Sanctuary Scenic Trail, all located between Highway 1 and Fort Ord Dunes State Park, in the existing rail corridor right-of-way owned by the Transportation Agency for Monterey County (TAMC). CDP 3-23-0288 is subject to certain terms and conditions, including the standard and special conditions beginning on page 2 of this CDP.

As of September 12, 2024, the CDP can be issued. Thus, by my signature below, the CDP is issued on behalf of the California Coastal Commission:

Kevin Kahn

Kevin Kahn, Central Coast District Manager, for Kate Huckelbridge, Executive Director

Acknowledgement

The undersigned Permittees acknowledge receipt of this CDP and agree to abide by all terms and conditions thereof. The undersigned Permittees acknowledge that Government Code Section 818.4 (that states in pertinent part that "a public entity is not liable for injury caused by the issuance of any permit") applies to the issuance of this CDP.

DocuSigned by:

Carl Sedoryk

580C6BD24671488...

9/18/2024

Monterey-Salinas Transit Representative — Date

CEO

Please note that this CDP is not valid unless and until a copy of it with the signed acknowledgement has been returned to the California Coastal Commission's Central Coast District Office (14 Cal. Admin. Code Section 13158).

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Standard Conditions

1. **Notice of Receipt and Acknowledgment.** The permit is not valid and development shall not commence until a copy of the permit, signed by the Permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.

2. **Expiration.** If development has not commenced, the permit will expire two years from the date on which the Commission voted on the application. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.

3. **Interpretation.** Any questions of intent or interpretation of any condition will be resolved by the Executive Director or the Commission.

4. **Assignment.** The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.

5. **Terms and Conditions Run with the Land.** These terms and conditions shall be perpetual, and it is the intention of the Commission and the Permittee to bind all future owners and possessors of the subject property to the terms and conditions.

Special Conditions

1. **Revised Final Plans.** PRIOR TO CONSTRUCTION, the Permittee shall submit two full-size sets of Revised Final Plans to the Executive Director for review and written approval. The Revised Final Plans shall: be prepared by a licensed professional or professionals (e.g., surveyors, geotechnical engineers, etc.); be based on current professionally surveyed and certified topographic elevations for the entire site; and include a graphic scale. The plans shall be substantially in conformance with the proposed plans (titled “Monterey-Salinas Transit Surf! Busway and Bus Rapid Transit (BRT) Project Monterey County, California” (see **Exhibit 3** for representative plan sheets; full plan sheets are located in the project file)) except that they shall be modified to meet the following requirements:

    a. **Bus Road Changes.** The bus road (i.e., comprised of two contiguous 12-foot wide travel lanes with 3-foot wide shoulders on each outside edge, for a total paved width of no more than 30 feet) shall be relocated and constructed in the area currently occupied by the ballast and tracks of the Monterey Branch Rail Line (except for the 5th Street Station spur), where it shall be sited and designed such that (1) the road shall limit non-ballast area coverage and such coverage shall be limited to the areas inland of the tracks, except for any locations where a more seaward alignment is more protective of coastal resources (e.g., would avoid extensive grading, etc.); (2) the ballast shall be repurposed as part of the road support/base, and all other ballast, track, and related development shall be removed and disposed of pursuant to all applicable requirements; (3) the road shall be able to accommodate light-rail services in the future in both

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directions (i.e., one for each travel lane); all to the maximum extent feasible. Retaining walls and all other above-ground development shall be limited to the maximum extent feasible, and only provided when required to ensure necessary safety and structural integrity for the bus road.

b. Fencing/Barriers. New fencing/barriers shall be prohibited, and existing fencing/barriers in the project area shall be removed, unless the Executive Director allows any such fencing/barriers in any particular locations for public safety or habitat protection purposes, where such fencing/barriers are only allowed provided the Executive Director also determines that any such fencing/barriers: (1) are the minimum necessary to provide for such public safety; and (2) are sited and designed in such a way as to seamlessly blend into the natural environment, to avoid public access degradation, and to minimize incursions into public views, all to the maximum extent feasible. All other fencing/barriers not meeting such parameters shall be prohibited.

c. Lighting. Lighting of any portion of the project area shall be prohibited, unless the Executive Director allows any such lighting in any particular locations for public safety purposes, where such lighting is only allowed provided the Executive Director also determines that any such lighting: (1) is the minimum necessary to provide for such public safety; (2) is directed downward and away from public and natural areas; (3) is shielded from public and natural area view; (4) is wildlife-friendly, and uses lamps that minimize the blue end of the visible spectrum; (5) limits the amount of light or glare visible from both public viewing and natural areas; (6) uses the lowest luminosity possible; (7) does not include blinking or flashing elements; (8) is automatically turned off when not required to be in use; and (9) is sited and designed in such a way as to seamlessly blend into the natural environment, and to minimize incursions into public views, all to the maximum extent feasible.

d. Utilities. All utilities (e.g., electrical conduits) shall be clearly identified (including the manner in which they will connect to offsite distribution networks) and shall be located underground within the bus road footprint, and all existing overhead utilities on the site shall be removed.

e. Stormwater and Drainage. All stormwater, drainage, and related water quality infrastructure (e.g., pervious pavements, etc.), with preference given to natural BMPs (e.g., bioswales, vegetated filter strips, etc.), shall be clearly identified. Such infrastructure shall provide that all project area stormwater and drainage is filtered and treated to remove expected pollutants prior to discharge and/or direction to offsite areas; shall retain runoff from the project onsite to the maximum extent feasible (e.g., through the use of pervious areas, percolation pits, engineered storm drain systems, etc.); shall be sized and designed to accommodate runoff from the site produced from each and every storm event up to and including the 85th percentile 24-hour runoff event; shall, in extreme storm situations (i.e., greater than the 85th percentile 24-hour runoff event storm) where such runoff cannot be adequately accommodated on-site

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through the project's stormwater and drainage infrastructure, ensure that any excess runoff is conveyed off-site in a non-erosive manner; and shall be permanently operated and maintained (where all maintenance parameters for such infrastructure, including based on manufacturers recommendations, shall be provided), where all such operation and maintenance activities shall be documented and shall be provided upon Executive Director request.

f. Signs. All signs and related project components shall be identified (including details showing their location, materials, design, and text), and all such sign development shall be sited and designed: (1) to limit the number and visibility of all signs; (2) to minimize visibility in public views; (3) to seamlessly integrate into the surrounding environment (e.g., using natural materials, earth tone colors and graphics, etc.); (4) to limit lighting as much as possible (and be consistent with the lighting requirements specified above at a minimum); and (5) to be subordinate to the project setting, all to the maximum extent feasible.

g. Dune/View Sensitive Design. All publicly visible development shall be sited, designed, colored, screened, and camouflaged (including making maximum use of integrated dune screening and natural landscaping and screening elements) to maximize coastal view protection and minimize visual intrusion, including through use of materials appropriate to the dune context that blend with the natural environment, all to the maximum extent feasible. Hard structural concrete elements, such as retaining walls, shall be faced with a sculpted concrete surface that mimics the natural undulating dune landform in the vicinity in terms of integral mottled color, texture, and undulation to the maximum extent feasible, except that such concrete surfaces may also be covered with local art subject to the Executive Director's review and written approval. The bus road itself (and other new paved areas) shall be colored to match nearby dune landforms, with any pavement markings both limited to that required for safety purposes, and colored to limit their visibility in public views to the maximum extent feasible while ensuring adequate visibility for bus drivers to safely operate on the road. All drainage and related elements within shall be camouflaged so as to be hidden or inconspicuous as seen from public viewing areas, including camouflage of any expected drainage staining over time. The color, texture, and undulations of all such surfaces shall be maintained throughout the life of the approved development, and all such surface and related treatments shall make use of paints, stains, sealants, and any other such materials that are appropriate for and safe for use in the dune environment.

h. Sand Management Provisions. All provisions that will be applied to manage sand accumulation on the bus road and Scenic Trail extension (including sand management methods, collection and deposition locations, frequency, and expected volumes of sand) shall be clearly identified. Any sandy materials collected shall be, where feasible, allocated to restoration projects in the area, provided that such material does not contain contamination that poses a threat to human or ecological health.

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i. **Construction Requirements.** All construction plan requirements (see Special Condition 2) shall be identified on the Revised Final Plans.

j. **Archaeological and/or Tribal Cultural Resource Protection.** All archaeological and/or tribal cultural resource protection requirements (see Special Condition 8) shall be identified on the Revised Final Plans.

k. **Public Access Areas and Amenities.** All public access areas and amenities as identified in the Public Access Management Plan (see Special Condition 3) shall be identified on the Revised Final Plans.

All requirements above and all requirements of the Executive Director-approved Revised Final Plans shall be enforceable components of this CDP. The Permittee shall undertake development in conformance with this condition and the approved Revised Final Plans.

2. **Construction Plan.** PRIOR TO CONSTRUCTION, the Permittee shall submit two copies of a Construction Plan to the Executive Director for review and written approval. The Construction Plan shall, at a minimum, include the following:

a. **Construction Areas.** The Plan shall identify the specific location of all construction areas, all staging areas, and all construction access corridors in site plan view. All such areas within which construction activities and/or staging are to take place shall minimize impacts on public access, including to and along the Monterey Bay Sanctuary Scenic Trail (i.e., Beach Range Road), the Monterey Peninsula Recreational Trail, and other coastal resources including by using inland areas for staging and storing construction equipment and materials, all to the maximum extent feasible. Construction areas shall be sited and designed to minimize impacts to public beach access and public views to the maximum extent feasible.

b. **Construction Methods.** The Plan shall specify the construction methods to be used, including all methods to be used to keep construction areas separated from public use areas and to ensure uninterrupted public use along the Scenic Trail and the Recreational Trail (including through use of unobtrusive fencing and/or other similar measures to delineate construction areas), and including verification that equipment operation and equipment and material storage will not significantly degrade public views during construction, all to the maximum extent feasible. The Plan shall also limit construction activities to avoid coastal resource impacts, including that lighting of the work area is prohibited unless the Executive Director determines that lighting the work area is required to safely carry out construction and measures are applied to ensure maximum coastal resource protection, all to the maximum extent feasible. The Plan shall also identify methods to temporarily re-open public access during any work stoppages (for phasing purposes or otherwise) to the maximum extent feasible.

c. **Construction Timing.** The Plan shall include a complete construction schedule, where no work shall occur during weekends and holidays in the peak summer months (i.e.,

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from the Saturday of Memorial Day weekend through Labor Day, inclusive) unless, due to extenuating circumstances, the Executive Director authorizes such work.

d. Construction BMPs. The Plan shall identify the type and location of all construction best management practices that will be implemented during construction to protect coastal resources, including at a minimum all of the following:

1. **Runoff Protection.** Silt fences, straw wattles, and equivalent apparatus shall be installed at the perimeter of the construction site to prevent construction-related runoff and/or sediment from discharging from the construction area, and/or entering into storm drains or otherwise offsite and/or towards into the adjacent dunes. Special attention shall be given to appropriate filtering and treating of all runoff, and all drainage points, including storm drains, shall be equipped with appropriate construction-related containment and treatment equipment. Tarps or similar such devices shall be used to capture debris, dust, oil, grease, rust, dirt, fine particles, and spills.

2. **Erosion and Sediment Controls.** All erosion and sediment controls shall be in place prior to the commencement of construction as well as at the end of each work day.

3. **Equipment.** Equipment washing, refueling, and/or servicing shall take place at an appropriate off-site and inland location away from dune habitat on an existing hard surface area (e.g., a road) or an area where collection of materials is facilitated. All construction equipment shall also be inspected and maintained at a similarly sited inland location to prevent leaks and spills of hazardous materials at the project site.

4. **Good Housekeeping.** The construction site shall maintain good construction housekeeping controls and procedures at all times (e.g., clean up all leaks, drips, and other spills immediately; keep materials covered and out of the rain, including covering exposed piles of soil and wastes; dispose of all wastes properly, place trash receptacles on site for that purpose, and cover open trash receptacles during wet weather; remove all construction debris from the project site; etc.).

5. **Construction Vehicles.** Construction vehicle types (rubber tired, track, etc.) shall be selected to minimize impacts to sensitive habitats to the maximum extent feasible, with a preference for rubber-tired vehicles where feasible.

6. **Construction Material Storage.** All construction materials and equipment shall be stored off of dune habitat, except for necessary erosion and sediment controls and/or construction area boundary fencing area allowed where such controls and/or fencing are placed as close to the work area, and are minimized in their extent, both to the maximum extent feasible.

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e. Sand Retention. Any sandy materials exported during the course of construction shall be, where feasible, allocated to restoration projects in the area, provided that such material does not contain contamination that poses a threat to human or ecological health.

f. Biological Monitoring. The Permittee shall enlist one or more qualified biologists, subject to the Executive Director's approval, to monitor construction activities. The biologist(s) shall possess the authority to halt work to prevent any breach in CDP compliance from occurring, or if any unforeseen sensitive habitat issues arise and until they are satisfied that the issue has been resolved; and shall immediately notify the Executive Director if development activities outside the scope of this CDP occur and document any incidents requiring the stoppage of work. The biologist(s) shall also conduct sensitive species pre-construction surveys and shall monitor the project site during all construction activities per the following:

1. **Pre-Construction Surveys.** PRIOR TO CONSTRUCTION, the biologist(s) shall conduct surveys (protocol-level, when available) for any sensitive species (including, but not limited to, legless lizard, nesting birds, American badger, Townsend's big-eared bat, and Monterey dusky-footed woodrat) that have been previously documented within the work area and/or an area measured out one half-mile from it, and that could be reasonably expected to be present on the basis of other known factors (e.g., habitat suitability). Surveys shall be conducted no sooner than 14 days before construction of a segment for nesting birds, and no sooner than 30 days before construction of a segment for other sensitive species. Surveys shall be conducted to at least 100 feet beyond the specified work areas, as feasible. The results of these surveys shall be reported to the Executive Director, USFWS, and CDFW. In the event that such surveys identify any sensitive species, the Permittee shall take measures to avoid impact to these species in accordance with the Mitigation Monitoring and Reporting Program, dated June 2021, and follow any necessary consultation with CDFW and/or USFWS.

2. **Construction Monitoring.** PRIOR TO COMMENCEMENT OF CONSTRUCTION EACH DAY, the biologist(s) shall inspect the active project areas to ensure that the day's activities will not result in impacts to sensitive species, where the results of each daily pre-construction survey shall be documented and made available upon request to appropriate agencies. If special-status species are observed and may be impacted, construction activities may not commence until any sensitive wildlife species have the left the project area and its vicinity and/or any sensitive plant species have been sufficiently protected or salvaged in accordance with the Mitigation and Monitoring Reporting Plan. If impacts or injury occur to sensitive species, the Permittee shall notify the Executive Director, as well as CDFW and/or USFWS as applicable, and will be advised of the appropriate action or mitigation to be taken.

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g. Restoration. All construction debris shall be removed, and all dune area and public recreational access and use areas and all beach access points impacted by construction activities shall be restored to their pre-construction condition or better within three days of completion of construction (unless addressed differently in the Habitat Monitoring and Mitigation Plan (Special Condition 5). Any native materials impacted shall be appropriately filtered as necessary to remove all construction debris.

h. Construction Site Documents. The Plan shall provide that copies of the signed CDP and the approved Construction Plan be maintained in a conspicuous location at the construction job site at all times, and that such copies are available for public review on request. All persons involved with the construction shall be briefed on the content and meaning of the CDP and the approved Construction Plan, and the public review requirements applicable to them, prior to commencement of construction.

i. Construction Coordinator. The Plan shall provide that a construction coordinator be designated to be contacted during construction should questions arise regarding the construction (in case of both regular inquiries and emergencies), and that their contact information (i.e., address, phone numbers, email address, etc.) including, at a minimum, a telephone number (with message capabilities) and an email that will be made available 24 hours a day for the duration of construction, is conspicuously posted at the job site where such contact information is readily visible from public viewing areas while still protecting public views as much as possible, along with indication that the construction coordinator should be contacted in the case of questions regarding the construction (in case of both regular inquiries and emergencies). The construction coordinator shall record the contact information (address, email, phone number, etc.) and nature of all complaints received regarding the construction, and shall investigate complaints and take remedial action, if necessary, within 24 hours of receipt of the complaint or inquiry. All complaints and all actions taken in response shall be summarized and provided to the Executive Director on at least a weekly basis during construction.

j. Construction Specifications. All construction specifications and materials, including construction contracts, shall include appropriate penalty provisions that require appropriate and commensurate remediation for any work done inconsistent with the terms and conditions of this CDP.

k. Notification. The Permittee shall notify planning staff of the Coastal Commission's Central Coast District Office at least three working days in advance of commencement of construction, and immediately upon completion of construction.

All requirements above and all requirements of the Executive Director-approved Construction Plan shall be enforceable components of this CDP. The Permittee shall undertake construction in conformance with this condition and the approved Final Construction Plan.

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3. **Public Access Management Plan.** PRIOR TO CONSTRUCTION, the Permittee shall submit two full-size sets of a Public Access Management Plan to the Executive Director for review and written approval. The Plan shall clearly describe the manner in which general public access associated with the approved project is to be provided and managed, with the objective of maximizing public use of all public access areas associated with the proposed development (including the connecting vertical accessways, Fifth Street Station trail connections, Monterey Bay Sanctuary Scenic Trail, Monterey Peninsula Recreational Trail,[1] wayfinding and public access signs, etc.), and improvements/amenities associated with the approved project (i.e., parking areas, restrooms, pathways, overlooks, benches, picnic tables, bicycle racks and lockers, interpretive signage, waste and recycling receptacles, doggie mitt stations, etc.) as described in this special condition and Special Condition 1. All public access improvements/amenities shall be sited and designed to seamlessly integrate into the natural dune setting and to maximize public view protection, including through use of siting/design approaches and materials that are appropriate to the dune context, and including to ensure that the approved development effectively blends into and enhances the natural environment, all to the maximum extent feasible. All public access improvements/amenities are required to be maintained and managed by the Permittee pursuant to the Plan over time. The objective and goal is to also work in conjunction with California State Parks to optimize seamless connections between inland areas and Fort Ord Dunes State Park and Marina State Beach, including facilitating public access along the Scenic and Recreational Trails. The Plan shall at a minimum include and provide for the preceding and the following:

    a. **Clear Depiction of Public Access Areas and Amenities.** All public access areas and amenities, including all of the areas and amenities described above and below, shall be clearly identified as such on the Plan (including with hatching and closed polygons so that it is clear what areas are available for public access use). The public access areas shall, at a minimum, and in addition to the Scenic Trail/Beach Range Road extension, include connections from inland locations to the Recreational and Scenic Trails at least at: (1) the upcoast end of the project nearest Marina; (2) the 5th Street Station; (3) the southern end of the Scenic Trail/Beach Range Road extension; and (4) the Recreational Trail along the southbound Highway 1 onramp at California Avenue, where all such connections shall ensure safe and convenient public access from east to west. In the event that any future improvements to Imjin Parkway include enhanced bicycle and pedestrian infrastructure, the Permittee shall work with that project proponent to ensure that such project also connects such infrastructure to the Recreational and Scenic Trails, including if such a connection requires new bike lanes and/or sidewalks over the Imjin Parkway bridge over Highway 1. The public access amenities shall, at a minimum, include (1) an additional bus stop seaward of Highway 1 sited to provided convenient pedestrian/bicycle access to the future Fort Ord Dunes State Park Campground, along with any additional trails necessary to connect the new stop to the campground trail

[1] Unless the Recreational Trail is restored to dune habitat, as is allowed under this approval.

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system; (2) public access amenities deemed appropriate by the Executive Director, such as overlook areas, benches, picnic tables, bicycle racks/lockers, interpretive signage, waste and recycling receptacles, doggie mitt stations, low profile fencing in appropriate locations on the Recreational and Scenic Trails, and/or related public amenities near connection points, all commensurate with expected public use; and (3) signage (see below). All public access amenities on State Park property or connecting to State Park property shall be sited and designed in collaboration with State Parks, and shall reflect State Parks approval of them.

b. Public Access Signs/Materials. The Plan shall identify all signs, handouts, brochures, and any other project elements that will be used to facilitate, manage, and provide public access associated with the approved project, including identification of all public education/interpretation features that will be provided on the site (educational displays, interpretive signage, etc.). All materials shall include English and non-English languages (including but not limited to Spanish), tailored to be culturally relevant, and written in plain language to prevent educational and cultural barriers to public access. Sign details showing the location, materials, design, and text of all public access signs (including the public access use hours described in Special Condition 4(d)) shall be provided. At a minimum, public access and wayfinding signs shall be placed at all public access areas and amenities listed above. The signs shall be designed so as to provide clear information without impacting public views and site character. All directional signs shall include the Commission's access program "feet" logo and the California Coastal Trail emblem. Public access interpretive signage (appropriate to Monterey Bay/Fort Ord Dunes issues, information, and/or history) shall be located at appropriate locations, as determined by the Executive Director, along each accessway to the Recreational and Scenic Trails.

c. No Public Access Disruption. Development and uses within the public access areas that disrupt and/or degrade public access (including areas set aside for private uses, barriers to public access (planters, temporary structures, private use signs, ropes, etc.)) shall be prohibited. The public use areas shall be maintained in a manner that maximizes public use and enjoyment.

d. Public Access Parameters. The public access areas and amenities shall be open to the general public 24 hours per day and shall be available free of charge.

e. Public Access Amenities Provided Prior to Use. All public access components of the approved project shall be constructed and ready for use prior to use of the bus road.

f. Public Access Areas and Amenities Maintained. The public access components of the project shall be maintained by the Permittee in their approved state in perpetuity. Prior to any modification, movement, or replacement of such access improvements, the Permittee shall obtain CDP authorization for such development, unless the Executive Director determines that such authorization is not legally necessary.

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All requirements above and all requirements of the Executive Director-approved Public Access Management Plan shall be enforceable components of this CDP. The Permittee shall undertake public access development and management in conformance with this condition and the approved Public Access Management Plan.

4. **Habitat Impact Validation and Compensatory Mitigation.** Habitat impacts shall be validated and mitigated as follows:

   a. **Post-Construction Impact Validation.** WITHIN 90 DAYS OF COMPLETION OF CONSTRUCTION, the Permittee shall ensure that initial post-construction surveys are completed. For each habitat, post-construction surveys shall document, at a minimum: the physical extent and acreage of all impacted habitats, and the activities that occurred within the area, including any vegetation clearance, mortality, or other significant reduction in vegetation cover due to project activities (e.g., pruning), or ground disturbance. For impacts anticipated to be potentially characterized as temporary, surveys shall also document, at a minimum: the dates of initial and final project-related disturbance to the habitat; each vegetation community's native species diversity, native species cover, invasive species cover, and the relative cover of dominant native vegetation species; the vegetation community's age classes and/or size structure distributions; and, photos from the designated points used for pre-construction surveys, to support impact evaluations.

      1. **Final Short-term Temporary Impact Validation.** WITHIN TWELVE MONTHS OF INITITATION OF CONSTRUCTION, the Permittee shall conduct a survey that validates areas (physical extents and acreages) initially characterized as short-term temporary impacts by comparison with the baseline condition for each vegetation community, including native species diversity, native species cover, the relative cover of dominant native vegetation species, and the vegetation community's age classes and/or size structure distributions. Invasive species cover shall also be described. The survey shall be detailed in a report, to be submitted by the Permittee within 30 days of final survey completion, for Executive Director review and approval. If the survey demonstrates impacts persist or any revegetation effort has been unsuccessful, in part or in whole, any remaining impacts are, by definition, permanent. Digital copies of the survey data and associated metadata shall be provided with the reports.

      2. **Final Long-term Temporary Impact Validation and Report.** WITHIN TWELVE MONTHS OF THE COMPLETION OF CONSTRUCTION, the Permittee shall conduct a survey that validates areas (physical extents and acreages) initially characterized as long-term temporary impacts using the same comparisons outlined in (1) and shall be detailed in a report, to be submitted by the Permittee within 30 days of final survey completion, for Executive Director review and approval. If the survey demonstrates impacts persist or any revegetation effort has been unsuccessful, in part or in whole, any remaining impacts are, by definition,

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permanent, and shall be mitigated accordingly. Digital copies of the survey data and associated metadata shall be provided with the reports.

A final report comparing the extent and nature of impacts as estimated by the Permittee in the submitted material with those actually observed following construction shall be submitted for Executive Director review and written approval. The observed impacts, once approved, shall form the basis of the compensatory habitat mitigation obligation. If the observed impacts are at least 15% greater than what was assessed as part of the approval final plans and the Commission's authorization, a CDP amendment shall be required to address the discrepancy, unless determined unnecessary by the Executive Director. Any such differences between estimated and observed impacts shall require revision or supplement to the Habitat Mitigation and Monitoring Plan pursuant to Special Condition 6.

b. Temporary Impact Mitigation. Short-term temporary habitat impacts are those that are fully restored within 12 months of initial construction activity disturbance, and long-term temporary habitat impacts are those that may occur for up to a 24-month period from the initial disturbance but require no more than 12 months following the conclusion of construction activity to fully recover. Any habitat impacts that do not meet these timing parameters; that significantly disturb the ground (e.g., trenching); and/or that fail to recover vegetation communities to equal or better condition in terms of native diversity, native species cover, the relative cover of dominant native vegetation species, and vegetation community age classes and/or size structure distributions, shall be considered permanent habitat impacts and shall require mitigation attributable to such permanent impacts. Any habitat impacts determined to qualify as temporary shall be mitigated for at a minimum ratio of 1:1 (short-term) or 1.5:1 (long-term).

c. Permanent Impact Mitigation. All impacts failing to qualify as temporary for any of the above cited reasons shall be recognized as permanent and mitigated for at a minimum ratio of 3:1, where this base ratio assumes compensation as habitat creation or substantial restoration. Alternatively, enhancement or preservation strategies may be proposed at no less than double or triple the base ratio, respectively. Except for the area presently occupied by ballast, no net loss of dune habitat(s) shall be assured by provision of a minimum ratio of 1:1 as habitat creation for the total acreage where permanent development will be located (see Special Condition 5). Any remaining balance following creation may be addressed through the various mitigation strategies, with adjustments to the discounted ratio, as described above (e.g., 2:1 may be satisfied via creation or substantial restoration, or as 4:1 via enhancement, or as 6:1 via preservation).

d. Mitigation Areas Protection. WITHIN 90 DAYS OF COMPLETION OF CONSTRUCTION, the Permittee shall submit to the Executive Director for review and written approval documentation demonstrating that all habitat mitigation areas intended to compensate for permanent impacts as well as the 0.5:1 fraction for long-term

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temporary impacts that would not be addressed in place, are covered by deed restrictions, easements (or offers of easements), or equivalent, that require preservation of such habitat areas for habitat purposes only in perpetuity, and that prohibit development (as defined in Coastal Act Section 30106) except for development generally interpreted as compatible with habitat purposes (e.g., restoration activities, nature study, and low impact recreation). Any deed restrictions, easements/offers, and/or other provisions recorded to satisfy this requirement: (1) shall be recorded free of prior liens and any other encumbrances that the Executive Director determines may affect the interest being conveyed; (2) shall include formal legal descriptions of the entirety of the parcels involved; (3) shall include a metes and bounds legal description and graphic depiction, prepared by a licensed surveyor based on an on-site inspection, drawn to scale and approved by the Executive Director, of the mitigation areas; (4) shall run with the land, binding successors, and assigns of the property owner; (5) shall indicate that the restrictions on the use of the land shall be in effect upon recording and remain as covenants, conditions, and restrictions running with the land in perpetuity; and (6) for easements/offers, shall provide that acceptance is limited to public entities including State Parks or another land management entity, approved by the Executive Director.

e. Mitigation Deadlines. If habitat mitigation has not been implemented pursuant to an approved Habitat Mitigation and Monitoring Plan (see Special Condition 5) within five years of construction commencement, the required mitigation ratios shall be increased by 0.5 acre for each portion of a year beyond five years (e.g., for mitigation starting at 3:1, the obligation becomes 3.5:1 if the 5-year time frame is exceeded, 4:1 after 6 years, etc.). The Executive Director may extend the habitat mitigation deadlines if they determine that the Permittee has been diligently pursuing habitat mitigation requirements, and that the Permittee has demonstrated good cause for any identified delays, or apply a lesser rate of increase if the Permittee can demonstrate diligent pursuit of mitigation implementation but has been delayed by matters outside of Permittee control (e.g., litigation complications, etc.).

5. Habitat Mitigation and Monitoring Plan. NO LATER THAN ONE YEAR FOLLOWING CDP APPROVAL (i.e., SEPTEMBER 12, 2025), the Permittee shall submit a Habitat Mitigation and Monitoring Plan (HMMP) to the Executive Director for review and written approval. An extension for the submittal of the HMMP may be granted by the Executive Director for good cause. The Plan shall be prepared by a qualified resource specialist approved by the Executive Director and shall provide for habitat mitigation and monitoring as described herein. All such habitat mitigation shall be located within the Monterey Bay Dunes Complex within the Coastal Zone at locations where such mitigation areas can be protected in perpetuity, unless no feasible option is available and/or areas further away are determined by the Executive Director to provide more significant dune habitat benefits to the region. The HMMP shall, at a minimum, include the following components:

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a. Introduction. Description of the HMMP purpose including an overview of the proposed project associated with the HMMP; a summary of impacts for which the HMMP is intended to mitigate; identification of the general mitigation strategies to be used; the proposed mitigation locations; and the mitigation areas intended to compensate for each affected resource.

b. Goals and Objectives. Statement of mitigation goals, including the desired habitat types, major vegetation components, and sensitive species and wildlife support functions; description of the desired habitat with rationale, to be based on a high-functioning reference site where feasible and alternatively, derived from literature describing either the site's historic conditions or "typical" regional habitat conditions; specific, actionable objectives to support stated goals; and a detailed timeline laying out all major activities including any outstanding preliminary work such as surveys, site preparation, mitigation implementation including revegetation activities, interim and final monitoring periods, etc.

c. Compensatory Mitigation Strategies. Compensatory mitigation requirements shall be satisfied by habitat creation, restoration, enhancement, and/or preservation as described below, and pursuant to the mitigation ratios and protections described in Special Condition 4:

1. **Habitat Creation.** Habitat creation applies to lands that are developed or subject to identifiable development threats but that could appropriately support self-sustaining dune-associated habitat following habitat restoration activities. Such lands may include singular or multiple sites, and/or sites of variable habitat condition. In all cases, such sites shall be removed from future development threats and functions and values shall be fully restored to qualify as habitat creation.

2. **Habitat Restoration.** Habitat restoration applies to lands that presently support degraded dune-associated habitats where any physical, chemical, and biological stressors would be actively addressed in order to return a full suite of self-sustaining ecological functions and values to the area. This may involve intensive techniques such as manipulating landforms to restore natural processes, and/or eradicating large expanses of non-native species followed by revegetation with a robust palette of natives to restore a high-functioning natural condition.

3. **Habitat Enhancement.** Habitat enhancement applies to lands that presently support degraded dune-associated habitats where only limited interventions are necessary to reach a high-functioning natural condition that supports self-sustaining ecological functions and values. Such interventions may include weeding of patchy invasive vegetation, limited revegetation efforts, or installation of features to benefit target wildlife.

4. **Habitat Preservation.** Habitat preservation applies to lands that do or reasonably could support dune-associated ecological functions and values, and that are placed

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under some form of permanent protection but their condition is not actively improved.

5. **Habitat Land/Landowner Requirements/Limitations.** Land already obligated by other requirements, including but not limited to prior Coastal Commission decisions, legal obligations, and Habitat Conservation Plans, shall not be considered available for compensatory mitigation unless the work would demonstrably exceed those existing requirements as determined by the Executive Director, in which case only that exceedance shall so qualify. Applicable landowners shall be included in all discussions concerning potential mitigation (including related to site restoration priorities, goals and objectives, methods, cost, maintenance, etc.), and any agreements between the Permittee and landowners shall be subject to Executive Director review and written approval to ensure that all terms are consistent with the terms and conditions of this CDP.

d. Design Plans and Construction Methods. Specification of final mitigation site design and construction methods consistent with identified goals and objectives, including but not limited to:

1. **Mitigation Design.** Detailed plans showing final topography, vegetation, and any other significant features characteristic of the intended habitat; and how these connect to the surrounding environment.

2. **Site Preparation.** Methods and plans for salvage of any plant and/or seed material (including collection from impact areas, storage, relocation, and/or reestablishment); salvage of any topsoils to be stock-piled and reused in the mitigation area; any demolition, debris removal, grading, decompaction, soil amendment, or other substrate-affecting activities; erosion control measures; and treatment of invasive species.

3. **BMPs.** Detailed list of all BMPs that will be implemented as part of project implementation, including triggers for further or remedial action.

4. **Revegetation Plans.** Details on plant palettes; stocks and seed mixes; material sourcing including verification of local and genetically appropriate nature; any proposed irrigation including rationale, method, and schedule; and provisions for removal of any temporary infrastructure following plant establishment.

e. Invasive Species Control. Provision for continued control of all California Invasive Plant Council-listed species at a specified cover threshold within the project footprint and mitigation areas, including a description of monitoring and control methods. If any herbicide is proposed for potential use, rationale for why it would constitute the least environmentally damaging alternative and detail on the specific products that would be used, including its certification by the California Department of Pesticide Regulation and

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allowance for the intended application, and detail on how it would be used to minimize adverse effects (e.g., thresholds for and frequencies of treatment).

f. Local Plant Species. All revegetation shall include, at a minimum, replanting with locally and genetically appropriate native plant species for the Monterey Bay Dune Complex, where documentation of all plant material sources shall be provided.

g. Monitoring Plan. Detailed plan for quantitatively monitoring the condition and progress of the mitigation site(s) during both the initial mitigation phase as well as over the long-term at reduced frequency and intensity; performance relative to set criteria, as informed by robust sampling and statistics; triggers for adaptive management action; and reporting. Specifically:

1. **Monitoring Frequency.** During the initial phase of no less than five years or three years following cessation of all remedial measures except weeding, whichever is longer, quantitative monitoring at least once per year during the period of rapid plant growth and flowering, generally in spring or early summer, unless a clear rationale for otherwise is fully presented. Following the determination that final success criteria have been met, long-term monitoring to inform maintenance and adaptive management shall occur at a frequency of no less than five years.

2. **Success Criteria.** Final success criteria supported by interim criteria, the latter of which are intended to serve as benchmarks and guide adaptive management, whereas the former will enable measure of mitigation success. Criteria shall have a clear empirical basis (i.e. reference sites and/or published technical literature appropriate for the local area) and generally include representativeness of target vegetation communities (e.g., species composition, cover, structure, diversity, and presence of major structure-producing and habitat-defining species); physical parameters such as topography, bare substrate, and hydrology; and target wildlife support functions or usage. Criteria may be fixed values where there is a strong empirical basis, but, where feasible, should be relative to high-functioning reference sites in order to account for environmental variability. Reference sites shall be located within the Monterey Bay Dunes Complex; shall be similar to the mitigation site with regard to soil type, aspect, slope, and other relevant abiotic characteristics; and shall be identified, sampled, and quantitatively described as a component of the monitoring plan. Invasive species ranked by the California Invasive Plant Council as “high” shall not exceed a total of 1% cover, and all ranked invasives shall not exceed a total of 5% cover.

3. **Performance Assessment.** Methods for judging mitigation success shall include supporting rationale for their selection and be specified in terms of the types of comparison, including whether relative to fixed criteria or reference sites; identification of any reference sites that will be used; tests of similarity; specification of the maximum allowable difference or effect size between the mitigation value and

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the reference value for each success criterion; and where statistical tests will be employed, statistical power analyses to document that the planned sample sizes will provide adequate power to detect maximum allowable differences (for such a test, alpha must equal beta; these values are typically 0.10 or 0.20, depending on the expected natural variability of the variables of interest).

4. **Sampling Design.** The field sampling program shall be designed in conjunction with the success criteria and selected methods of assessment. The sampling design and methods shall provide sufficient detail to enable an independent scientist to duplicate them, including a description of the randomized placement of sampling units, sampling unit size, planned number of samples, etc.

h. Reporting. All reports shall be prepared by a qualified restoration specialist and submitted to the Executive Director for review and written approval. All such reports shall include raw data and associated metadata in digital format. Required reports include the following:

1. **As-Built Report.** No more than 60 days following completion of mitigation site construction and revegetation activities, an as-built report summarizing mitigation activities to-date, a description of consistency with approved plans, documentation of acreage treated, maps and descriptions any temporary infrastructure installed, photos taken from fixed points, and a description of consistency with all terms and conditions.

2. **Annual Reports**. Beginning the year after the mitigation project has been installed, annual monitoring reports shall be due by December 31st of each year, including photos taken from fixed points; assessment relative to interim success criteria; a work plan for the subsequent year; and specific recommendations to adaptively manage the effort and facilitate mitigation success. Once a monitoring report is approved by the Executive Director, recommendations identified in the report shall become prescriptive unless otherwise advised in writing. Reports shall also summarize results, document any management actions that have been taken on the mitigation site, and any recommendations for management action going forward.

3. **Final Annual Report.** A final monitoring report shall be submitted at the conclusion of all mitigation efforts (no sooner than five years following mitigation implementation years, and for at least three years following the conclusion of all remediation and maintenance activities other than weeding, whichever is later) which shall summarize all prior reports; provide a detailed timeline of the overall progress and success; and include sufficient detail to evaluate comprehensive mitigation compliance with the specified goals, objectives, and success criteria set forth in the approved HMMP. If the final report indicates that the mitigation effort has been unsuccessful, in part or in whole, based on the approved final success criteria, the Permittee shall submit within 90 days a revised/supplemental HMMP to compensate

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for those portions of the original program which did not meet the approved success criteria. The revised/supplemental HMMP shall be prepared by a qualified restoration specialist approved by the Executive Director and shall specify measures to remediate those portions of the original approved HMMP that have failed or have not been implemented in conformance with the original approved HMMP. These measures, and any subsequent measures necessary to carry out the approved revised or supplemental HMMP, shall be carried out in coordination with the direction of the Executive Director until the approved revised or supplemental HMMP is established to the Executive Director's satisfaction. If the Executive Director determines that an amendment to the original CDP is necessary to implement the revised/supplemental HMMP, then the Permittee shall submit a complete CDP amendment application immediately to do so.

All requirements above and all requirements of the Executive Director-approved Habitat Mitigation and Monitoring Plan shall be enforceable components of this CDP. The Permittee shall undertake development in conformance with this condition and the approved Habitat Mitigation and Monitoring Plan.

6. **Bus Road Use Plan.** PRIOR TO COMMENCEMENT OF BUS TRANSIT OPERATIONS, the Permittee shall submit two copies of a Bus Road Use Plan to the Executive Director for review and written approval. The Plan shall provide that: (a) any substantial changes to the proposed use of the bus road (i.e., bus transit operations between the hours of 6 am and 10 pm on weekdays, and 7:30 am and 8:30 pm on weekends and holidays, and at 15 minute headways), such as for special events and other special circumstances, shall be accommodated in a manner that protects coastal resources to the maximum extent feasible; (b) all buses used for such bus transit shall be zero emission buses, where documentation shall be provided demonstrating as much (e.g., manufacturer's spec sheets, etc.), except that temporary short-term use of non-zero emission buses is allowed if zero-emission buses are unavailable due to maintenance or other operational issues; and (c) if the bus road ceases to be used in the way authorized by this CDP for a period that exceeds 6 months, then the Permittee shall provide either (1) a plan that reestablishes public transit uses on the bus road; or (2) a plan to remove the bus road and all related development and appropriately restore the affected area to natural conditions, where such plans shall be designed to achieve plan objectives with the least amount of coastal resource impacts, and shall be subject to Executive Director review and written approval. The Bus Road Use Plan shall also specify all measures to maximize the bus's ridership to facilitate transportation and coastal access opportunities, including financial incentives for ridership (e.g., free passes, reduced fares, etc.), culturally-appropriate outreach methods that may include digital, paper, and other media (and translated into non-English languages, particularly Spanish, and written in plain language), identifying the bus's coastal access opportunities including as identified in the Public Access Management Plan, and any other means to facilitate coastal access for underserved/inland populations. The Plan may include partnerships with local organizations that help underserved communities access the coast, and shall be designed in order to facilitate such access. Every 2 years

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after commencement of bus road operations, the Permittee shall provide a report to the Executive Director documenting bus road usage trends and identify ways to increase ridership and coastal access. Use of the bus road for anything other than bus and/or rail public transit shall be prohibited. All requirements above and all requirements of the Executive Director-approved Bus Road Use Plan shall be enforceable components of this CDP. The Permittee shall undertake bus transit operations in conformance with this condition and the approved Bus Road Use Plan.

7. **Dune Resiliency Plan.** WITHIN FIVE YEARS OF THE DATE OF THE APPROVAL OF THIS CDP (i.e., no later than September 12, 2029), the Permittee shall submit two copies of a Dune Resiliency Plan (Plan) to the Executive Director for review and approval. The Plan shall establish the framework and parameters for: (1) monitoring dune erosion and other coastal hazards at the site and nearby off-site area and management responses to those hazards and resources both on- and off-site; (2) identifying how those hazards are affecting the operations of the bus road; (3) identifying changes necessary to allow continued appropriate and required functioning of the bus road in light of coastal hazard concerns/requirements; and (4) identifying 'triggers' to establish when actions (such as additional dune restoration and potential bus road relocation, but not including any form of shoreline armoring) need to be pursued. Upon Executive Director approval of the Resiliency Plan, the Permittee shall submit a monitoring report detailing the condition and plan for the bus roadway in relation to the triggers specified in the Dune Resiliency Plan every 5 years, or following coastal hazard events that necessitate an interruption of bus service within the project footprint, whichever occurs first. Each such report shall include and describe changes since the prior report, as well as cumulatively describing changes over time. Extension to the five year deadline for submittal of the Dune Resiliency Plan may be granted by the Executive Director for good cause.

8. **Archaeological and/or Tribal Cultural Resource Protection.** The Permittee shall undertake the approved project in compliance with the following measures to protect archaeological and/or tribal cultural resources to the maximum extent feasible:

   a. **Notification.** At least one month prior to commencement of any ground-disturbing construction activities, the Permittee shall: (1) notify the representatives of Native American Tribes listed on an updated Native American Heritage Commission (NAHC) contact list; (2) invite all Tribal representatives on that list to be present and to monitor ground-disturbing activities; and (3) arrange for any invited Tribal representative that requests to monitor and/or a qualified archaeological monitor to be present to observe project activities with the potential to impact archaeological and/or tribal cultural resources.

   b. **Monitoring.** A qualified, locally experienced archaeologist and a tribal monitor, approved by relevant tribes shall be on site to monitor all activities with the potential to impact archaeological and/or tribal cultural resources, including all ground disturbing activities. The monitors shall have experience monitoring for archaeological resources

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of the local area during excavation projects, be competent to identify significant resource types, and be aware of recommended tribal procedures for the inadvertent discovery of tribal cultural and/or archaeological resources and/or human remains.

c. **Discovery Protocol.** If any tribal cultural deposits are discovered during the course of the project, all construction within 200 feet of such deposits shall cease and shall not re-commence until a qualified cultural resource specialist (which could be a persons identified in subpart (b), above), in consultation with the relevant tribes, analyzes the significance of the find and, if deemed significant, prepares a supplementary archaeological plan for the review and approval of the Executive Director that evaluates and provides suggested measures related to the discovery. The Executive Director shall review the plan and either: (1) approve it and determine that its recommended changes to the project or mitigation measures do not necessitate an amendment to this CDP, or (2) determine that the changes proposed therein necessitate a CDP amendment. The location of any and all identified archaeological and tribal cultural resources shall be kept confidential, and only those with a “need to know” shall be informed of their locations.

d. **Human Remains.** Should human remains be discovered on-site during the course of the project, immediately after such discovery, the on-site archaeologist and/or tribal monitor shall notify the Monterey County Coroner within 24 hours of such discovery, and all construction activities shall be temporarily halted until the remains can be identified. If the County Coroner determines that the human remains are those of a Native American, the Coroner shall contact the NAHC within 24 hours, pursuant to Health and Safety Code Section 7050.5. The NAHC shall deem the Native American most likely descendant (MLD) to be invited to participate in the identification process pursuant to Public Resources Code Section 5097.98. The Permittee shall comply with the requirements of Section 5097.98 and work with the MLD person(s) to discuss and confer with the descendants all reasonable options regarding the descendants' preference for treatment. Within five (5) calendar days of notification to NAHC, the Permittee shall notify the Coastal Commission’s Executive Director of the discovery of human remains. The Executive Director shall maintain confidentiality regarding the presence of human remains on the project site.

9. **Future Permitting.** Any and all future proposed development related to this project, this project area, and/or this CDP shall be subject to the Coastal Commission’s continuing CDP jurisdiction. This CDP authorizes limited future repair, maintenance, and/or improvement development that is determined by the Executive Director to: 1) fall within the overall scope and intent of this CDP; and 2) not have any significant adverse impacts to coastal resources. Any development that the Executive Director determines does not meet such criteria shall require a separate CDP or a CDP amendment, as directed by the Executive Director.

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10. **Public Rights.** By acceptance of this CDP, the Permittee acknowledges and agrees, on behalf of itself and all successors and assigns, that the Coastal Commission's approval of this CDP shall not constitute a waiver of any public rights that may exist on the affected property, and that the Permittee shall not use this CDP as evidence of a waiver of any public rights that may exist now or in the future.

11. **Other Agency Approvals.** PRIOR TO CONSTRUCTION, the Permittee shall provide to the Executive Director copies of all other permits, permissions, or other authorizations from the Transportation Agency for Monterey County, California State Parks, California Transportation Commission, California Public Utilities Commission, California Department of Transportation, California Department of Fish and Wildlife, and United States Fish and Wildlife Service, or evidence that no permits, permissions, or other authorizations from these agencies are required. The Permittee shall inform the Executive Director of any changes to the Commission-approved project required by other agencies. Such changes shall not be incorporated into the project until the Permittee obtains a Commission amendment to this CDP, unless the Executive Director issues a written determination that no amendment is legally required.

12. **Minor Changes.** The Permittee shall undertake development in conformance with the terms and conditions of this CDP, including with respect to all Executive Director-approved plans and other materials, which shall also be enforceable components of this CDP. Any proposed project changes, including in terms of changes to identified requirements in each condition, shall either (a) require a CDP amendment, or (b) if the Executive Director determines that no amendment is legally required, then such changes may be allowed by the Executive Director if the Executive Director determines that such changes: (1) are deemed reasonable and necessary; and (2) do not adversely impact coastal resources.

13. **Assumption of Risk, Waiver of Liability and Indemnity.** By acceptance of this CDP, the Permittee acknowledges and agrees, on behalf of itself and all successors and assigns: (a) that the project area may be subject to coastal hazard risks at some point during the permitted development's lifetime, including but not limited to episodic and long-term shoreline retreat and coastal erosion, high seas, ocean waves, tidal scour, storms, tsunami, coastal flooding, sea level rise, landslides, earth movement, geologic instability, and the interaction of same, many of which will worsen with future sea level rise; (b) to assume all risks, including coastal hazard risks, to the Permittee and the property that is the subject of this CDP of injury and damage from such risks in connection with the permitted development; (c) to unconditionally waive any claim of damage or liability against the Commission, its officers, agents, and employees for injury or damage from such risks; (d) to indemnify and hold harmless the Commission, its officers, agents, and employees with respect to the Commission's approval of this project against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims due to hazard or other risks), expenses, and amounts paid in settlement arising from any injury or damage; (e) that any adverse effects to properties caused by the permitted development shall be fully the responsibility of the Permittee; (f) to prohibit shoreline armoring (including

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but not limited to seawalls, revetments, retaining walls, gabion baskets, tie backs, piers, groins, caissons/grade beam systems, etc.) to protect any portion of the permitted development; (g) to waive any rights to construct shoreline armoring that may exist under Coastal Act Section 30235 and/or certified LCPs for the City of Marina, the City of Sand City, and Monterey County, or any other applicable laws; and (h) that no portion of the permitted development qualifies as an "existing structure" for purposes of Section 30235 and the above-listed LCPs.

14. **Liability for Costs and Attorneys' Fees.** The Permittee shall reimburse the Coastal Commission in full for all Coastal Commission costs and attorneys' fees (including but not limited to such costs/fees that are: (1) charged by the Office of the Attorney General; and/or (2) required by a court) that the Coastal Commission incurs in connection with the defense of any action brought by a party other than the Permittee against the Coastal Commission, its officers, employees, agents, successors and/or assigns challenging the approval or issuance of this CDP, the interpretation and/or enforcement of CDP terms and conditions, or any other matter related to this CDP. The Permittee shall reimburse the Coastal Commission within 60 days of being informed by the Executive Director of the amount of such costs/fees. The Coastal Commission retains complete authority to conduct and direct the defense of any such action against the Coastal Commission, its officers, employees, agents, successors and/or assigns.