CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG No.: BF042624

Instrument ID: BNA_F Calibration Date/Time: 4/26/2024 12 11:47

Lab File ID: BF137730.D Init. Calib. Date(s):

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.733	0.666		-9.141	
Pyridine	1.571	1.490		-5.156	
2-Fluorophenol	1.317	1.238		-5.998	
Benzaldehyde	0.938	0.800		-14.712	
Aniline	2.081	1.929		-7.304	
Phenol-d6	1.672	1.563		-6.519	
Phenol	1.670	1.583		-5.21	20.0
bis(2-Chloroethyl)ether	1.362	1.240		-8.957	
2-Chlorophenol	1.374	1.301		-5.313	
1,2-Dichlorobenzene	1.351	1.287		-4.737	
1,3-Dichlorobenzene	1.441	1.360		-5.621	
1,4-Dichlorobenzene	1.451	1.374		-5.307	20.0
Benzyl Alcohol	1.251	1.170		-6.475	
2-Methylphenol	1.221	1.154		-5.487	
2,2-oxybis(1-Chloropropane)	2.095	1.861		-11.169	
Acetophenone	0.489	0.461		-5.726	
3+4-Methylphenols	1.577	1.478		-6.278	
n-Nitroso-di-n-propylamine	1.081	0.949	0.050	-12.211	
Nitrobenzene-d5	0.377	0.360		-4.509	
Hexachloroethane	0.514	0.484		-5.837	
Nitrobenzene	0.381	0.366		-3.937	
Isophorone	0.700	0.640		-8.571	
2-Nitrophenol	0.167	0.175		4.79	20.0
2,4-Dimethylphenol	0.337	0.315		-6.528	
bis(2-Chloroethoxy)methane	0.427	0.395		-7.494	
2,4-Dichlorophenol	0.295	0.290		-1.695	20.0
1,2,4-Trichlorobenzene	0.301	0.292		-2.99	
Benzoic acid	0.213	0.221		3.756	
Naphthalene	1.021	0.981		-3.918	
4-Chloroaniline	0.432	0.414		-4.167	
Hexachlorobutadiene	0.180	0.180		0.0	20.0
Caprolactam	0.095	0.090		-5.263	
4-Chloro-3-methylphenol	0.313	0.299		-4.473	20.0
2-Methylnaphthalene	0.700	0.665		-5.0	
Hexachlorocyclopentadiene	0.307	0.311	0.050	1.303	
2,4,6-Trichlorophenol	0.385	0.369		-4.156	20.0
2-Fluorobiphenyl	1.339	1.201		-10.306	
2,4,5-Trichlorophenol	0.441	0.427		-3.175	
1,1-Biphenyl	1.455	1.374		-5.567	

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EPA Sample No.: SSTDCCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.122	1.065		-5.08	
2-Nitroaniline	0.342	0.339		-0.877	
Dimethylphthalate	1.393	1.303		-6.461	
Acenaphthylene	1.749	1.652		-5.546	
2,6-Dinitrotoluene	0.294	0.289		-1.701	
3-Nitroaniline	0.330	0.326		-1.212	
Acenaphthene	1.133	1.074		-5.207	20.0
2,4-Dinitrophenol	0.135	0.146	0.050	8.148	
4-Nitrophenol	0.257	0.250	0.050	-2.724	
Dibenzofuran	1.660	1.575		-5.12	
2,4-Dinitrotoluene	0.370	0.379		2.432	
Diethylphthalate	1.340	1.229		-8.284	
4-Chlorophenyl-phenylether	0.641	0.617		-3.744	
Fluorene	1.297	1.212		-6.554	
4-Nitroaniline	0.314	0.308		-1.911	
4,6-Dinitro-2-methylphenol	0.115	0.122		6.087	
n-Nitrosodiphenylamine	0.677	0.643		-5.022	20.0
Azobenzene	1.373	1.246		-9.25	
2,4,6-Tribromophenol	0.202	0.199		-1.485	
4-Bromophenyl-phenylether	0.232	0.225		-3.017	
Hexachlorobenzene	0.226	0.224		-0.885	
Atrazine	0.187	0.173		-7.487	
Pentachlorophenol	0.170	0.166		-2.353	20.0
Phenanthrene	1.059	1.007		-4.91	
Anthracene	1.084	1.035		-4.52	
Carbazole	0.982	0.931		-5.193	
Di-n-butylphthalate	1.198	1.082		-9.683	
Fluoranthene	1.113	1.038		-6.739	20.0
Benzidine	0.467	0.479		2.57	
Pyrene	1.642	1.613		-1.766	
Terphenyl-d14	1.243	1.200		-3.459	
Butylbenzylphthalate	0.582	0.577		-0.859	
3,3-Dichlorobenzidine	0.432	0.402		-6.944	
Benzo(a)anthracene	1.395	1.339		-4.014	
Chrysene	1.303	1.250		-4.068	
Bis(2-ethylhexyl)phthalate	0.879	0.825		-6.143	
Di-n-octyl phthalate	1.321	1.158		-12.339	20.0
Benzo(b)fluoranthene	1.280	1.228		-4.063	
Benzo(k)fluoranthene	1.258	1.212		-3.657	

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EPA Sample No.: SSTDCCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.148	1.095		-4.617	20.0
Indeno(1,2,3-cd)pyrene	1.109	1.147		3.427	
Dibenzo(a,h)anthracene	0.920	0.962		4.565	
Benzo(g,h,i)perylene	0.895	0.944		5.475	
1,2,4,5-Tetrachlorobenzene	0.548	0.533		-2.737	
1,4-Dioxane	0.590	0.559		-5.254	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.329		-3.519	
1-Methylnaphthalene	0.655	0.617		-5.802	

All other compounds must meet a minimum RRF of 0.010.

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-131-GW-01**								
P2218-01	B-131-GW-01	Water	(1R)-2,6,6-Trimethylbicyclo[3.1.1	*	2.300	J			
P2218-01	B-131-GW-01	Water	5-Eicosene, (E)-	*	6.500	J			
P2218-01	B-131-GW-01	Water	Benzene, 1,2,3,5-tetramethyl-	*	2.100	J			
P2218-01	B-131-GW-01	Water	Butane, 2-methoxy-2-methyl-	*	18.500	J			
P2218-01	B-131-GW-01	Water	Butyl citrate	*	12.400	J			
P2218-01	B-131-GW-01	Water	n-Hexadecanoic acid	*	8.300	J			
P2218-01	B-131-GW-01	Water	Naphthalene, 2,3-dimethyl-	*	3.000	J			
P2218-01	B-131-GW-01	Water	Naphthalene, 2,6-dimethyl-	*	2.400	J			
P2218-01	B-131-GW-01	Water	Octadecanoic acid	*	3.700	J			
			Total Tics :		**59.20**				
P2218-01	B-131-GW-01	Water	1-Methylnaphthalene		2.700	J	0.86	5	ug/L
P2218-01	B-131-GW-01	Water	Acenaphthene		7.100		0.81	5	ug/L
P2218-01	B-131-GW-01	Water	Dibenzofuran		4.000	J	0.93	5	ug/L
P2218-01	B-131-GW-01	Water	Fluorene		5.000		0.96	5	ug/L
P2218-01	B-131-GW-01	Water	Phenanthrene		3.100	J	0.89	5	ug/L
			Total Svoc :		**21.90**				
			Total Concentration:		**81.10**				
Client ID :	**B-131-GW-02**								
P2218-02	B-131-GW-02	Water	(1R)-2,6,6-Trimethylbicyclo[3.1.1	*	3.200	J			
P2218-02	B-131-GW-02	Water	1,3-Dioxolane, 2,2,4-trimethyl-	*	4.300	J			
P2218-02	B-131-GW-02	Water	1-Phenoxypropan-2-ol	*	3.000	J			
P2218-02	B-131-GW-02	Water	1-Phenyl-1-butene	*	2.400	J			
P2218-02	B-131-GW-02	Water	Butane, 2-methoxy-2-methyl-	*	19.700	J			
P2218-02	B-131-GW-02	Water	Butyl citrate	*	11.700	J			
P2218-02	B-131-GW-02	Water	Cetene	*	17.900	J			
P2218-02	B-131-GW-02	Water	Ethanol, 2-(2-butoxyethoxy)-	*	5.300	J			
P2218-02	B-131-GW-02	Water	Hexanoic acid, 2-ethyl-	*	3.400	J			
P2218-02	B-131-GW-02	Water	n-Hexadecanoic acid	*	19.500	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 1,6-dimethyl-	*	2.300	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 1,7-dimethyl-	*	3.200	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 2,3-dimethyl-	*	4.400	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 2-methyl-	*	2.700	J			
P2218-02	B-131-GW-02	Water	Octadecanoic acid	*	7.300	J			
P2218-02	B-131-GW-02	Water	Octanoic acid	*	4.300	J			
P2218-02	B-131-GW-02	Water	Pentanedioic acid, dimethyl ester	*	5.200	J			
P2218-02	B-131-GW-02	Water	Supraene	*	3.600	J			
			Total Tics :		**123.40**				

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2218-02	B-131-GW-02	Water	1-Methylnaphthalene		3.400	J	0.86	5	ug/L
P2218-02	B-131-GW-02	Water	Acenaphthene		9.100		0.81	5	ug/L
P2218-02	B-131-GW-02	Water	Dibenzofuran		5.100		0.93	5	ug/L
P2218-02	B-131-GW-02	Water	Fluorene		6.600		0.96	5	ug/L
P2218-02	B-131-GW-02	Water	Phenanthrene		4.000	J	0.89	5	ug/L
P2218-02	B-131-GW-02	Water	Total PAH		19.700	J	17.36	80	ug/L
			Total Svoc :		**47.90**				
			Total Concentration:		**171.30**				
Client ID :	**B-101-GW01**								
P2266-01	B-101-GW01	Water	Butane, 2-methoxy-2-methyl-	*	18.700	J			
			Total Tics :		**18.70**				
			Total Concentration:		**18.70**				
Client ID :	**EB-042324**								
P2266-02	EB-042324	Water	2-Pentanone, 4-hydroxy-4-methyl	*	3.400	A			
P2266-02	EB-042324	Water	Butane, 2-methoxy-2-methyl-	*	33.100	J			
P2266-02	EB-042324	Water	Octadecanoic acid	*	3.900	J			
			Total Tics :		**40.40**				
			Total Concentration:		**40.40**				
Client ID :	**72-11936**								
P2270-01	72-11936	Solid	(1S)-2,6,6-Trimethylbicyclo[3.1.1	*	67.800	J			
P2270-01	72-11936	Solid	.gamma.-Sitosterol	*	92.800	J			
P2270-01	72-11936	Solid	1-Tricosene	*	110.000	J			
P2270-01	72-11936	Solid	16-Heptadecenal	*	49.600	J			
P2270-01	72-11936	Solid	3-Acetyl-8-methoxycoumarin	*	57.600	J			
P2270-01	72-11936	Solid	3-Octadecene, (E)-	*	91.500	J			
P2270-01	72-11936	Solid	Butane, 2-methoxy-2-methyl-	*	170.000	J			
P2270-01	72-11936	Solid	Docosane, 11-butyl-	*	460.000	J			
P2270-01	72-11936	Solid	Eicosane	*	100.000	J			
P2270-01	72-11936	Solid	Hexacosanal	*	60.600	J			
P2270-01	72-11936	Solid	n-Hexadecanoic acid	*	120.000	J			
P2270-01	72-11936	Solid	Nonacosan-10-ol	*	220.000	J			
P2270-01	72-11936	Solid	Pentadecane, 8-hexyl-	*	380.000	J			
P2270-01	72-11936	Solid	Propylene Glycol	*	58.000	J			
P2270-01	72-11936	Solid	Supraene	*	68.300	J			
P2270-01	72-11936	Solid	Tetracosane	*	63.300	J			
P2270-01	72-11936	Solid	unknown17.233	*	49.800	J			
			Total Tics :		**2,219.30**				
			Total Concentration:		**2,219.30**				
Client ID :	**VNJ-240**								

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P2270-03	VNJ-240	Solid	5-Eicosene, (E)-	*	110.000	J			
P2270-03	VNJ-240	Solid	Butane, 2-methoxy-2-methyl-	*	140.000	J			
P2270-03	VNJ-240	Solid	n-Hexadecanoic acid	*	150.000	J			
P2270-03	VNJ-240	Solid	Supraene	*	53.900	J			
P2270-03	VNJ-240	Solid	unknown10.192	*	740.000	J			
P2270-03	VNJ-240	Solid	unknown3.710	*	130.000	J			
			Total Tics :		**1,323.90**				
			Total Concentration:		**1,323.90**				
Client ID :	**RT-3860**								
P2271-01	RT-3860	Solid	1-Phenoxypropan-2-ol	*	46.900	J			
P2271-01	RT-3860	Solid	Butane, 2-methoxy-2-methyl-	*	190.000	J			
P2271-01	RT-3860	Solid	n-Hexadecanoic acid	*	130.000	J			
P2271-01	RT-3860	Solid	Pentadecafluorooctanoic acid, oct	*	120.000	J			
P2271-01	RT-3860	Solid	Propylene Glycol	*	160.000	J			
P2271-01	RT-3860	Solid	unknown10.198	*	1,600.000	J			
			Total Tics :		**2,246.90**				
P2271-01	RT-3860	Solid	Bis(2-ethylhexyl)phthalate		65.100	J	61.5	110	ug/Kg
P2271-01	RT-3860	Solid	Chrysene		55.500	J	53.8	110	ug/Kg
P2271-01	RT-3860	Solid	Fluoranthene		170.000		55.3	110	ug/Kg
P2271-01	RT-3860	Solid	Phenanthrene		94.800	J	56.8	110	ug/Kg
P2271-01	RT-3860	Solid	Pyrene		150.000		56.1	110	ug/Kg
			Total Svoc :		**535.40**				
			Total Concentration:		**2,782.30**				
Client ID :	**VNJ-209**								
P2274-02	VNJ-209	Solid	9-Methylheneicosane	*	1,300.000	J			
P2274-02	VNJ-209	Solid	Anthracene, 1-methyl-	*	480.000	J			
P2274-02	VNJ-209	Solid	Decane, 3,8-dimethyl-	*	300.000	J			
P2274-02	VNJ-209	Solid	Heptadecane, 4-methyl-	*	280.000	J			
P2274-02	VNJ-209	Solid	Hexadecane	*	350.000	J			
P2274-02	VNJ-209	Solid	Hexanedioic acid, bis(2-ethylhexy	*	1,500.000	J			
P2274-02	VNJ-209	Solid	Nonadecane	*	550.000	J			
P2274-02	VNJ-209	Solid	Nonadecane, 9-methyl-	*	420.000	J			
P2274-02	VNJ-209	Solid	Sulfurous acid, butyl octadecyl es	*	360.000	J			
P2274-02	VNJ-209	Solid	Sulfurous acid, octadecyl 2-propyl	*	680.000	J			
P2274-02	VNJ-209	Solid	Tetracosane	*	1,300.000	J			
			Total Tics :		**7,520.00**				
P2274-02	VNJ-209	Solid	Benzo(a)anthracene		500.000	J	280	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(a)pyrene		540.000	J	320	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(b)fluoranthene		710.000		280	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(g,h,i)perylene		360.000	J	280	590	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2274-02	VNJ-209	Solid	Chrysene	640.000		270	590	ug/Kg
P2274-02	VNJ-209	Solid	Fluoranthene	940.000		280	590	ug/Kg
P2274-02	VNJ-209	Solid	Indeno(1,2,3-cd)pyrene	290.000	J	270	590	ug/Kg
P2274-02	VNJ-209	Solid	Phenanthrene	590.000		290	590	ug/Kg
P2274-02	VNJ-209	Solid	Pyrene	1,000.000		290	590	ug/Kg
			Total Svoc :	**5,570.00**				
			Total Concentration:	**13,090.00**				
Client ID : SP6478								
SP6478	SP6478	Water	1,1-Biphenyl	58,700.000		910	5000	ug/L
SP6478	SP6478	Water	1,2,4,5-Tetrachlorobenzene	60,000.000		1100	5000	ug/L
SP6478	SP6478	Water	1,2,4-Trichlorobenzene	61,900.000		1100	5000	ug/L
SP6478	SP6478	Water	1,2-Dichlorobenzene	64,100.000		880	5000	ug/L
SP6478	SP6478	Water	1,3-Dichlorobenzene	62,200.000		800	5000	ug/L
SP6478	SP6478	Water	1,4-Dichlorobenzene	61,900.000		840	5000	ug/L
SP6478	SP6478	Water	1,4-Dioxane	56,800.000		1300	5000	ug/L
SP6478	SP6478	Water	1-Methylnaphthalene	56,800.000		860	5000	ug/L
SP6478	SP6478	Water	2,2-oxybis(1-Chloropropane)	56,400.000		1400	5000	ug/L
SP6478	SP6478	Water	2,3,4,6-Tetrachlorophenol	60,200.000		790	5000	ug/L
SP6478	SP6478	Water	2,4,5-Trichlorophenol	55,600.000		1000	5000	ug/L
SP6478	SP6478	Water	2,4,6-Trichlorophenol	60,300.000		890	5000	ug/L
SP6478	SP6478	Water	2,4-Dichlorophenol	61,100.000		880	5000	ug/L
SP6478	SP6478	Water	2,4-Dimethylphenol	48,200.000		1500	5000	ug/L
SP6478	SP6478	Water	2,4-Dinitrophenol	128,300.000	E	6400	10000	ug/L
SP6478	SP6478	Water	2,4-Dinitrotoluene	66,000.000		1500	5000	ug/L
SP6478	SP6478	Water	2,6-Dinitrotoluene	60,600.000		1200	5000	ug/L
SP6478	SP6478	Water	2-Chloronaphthalene	59,700.000		970	5000	ug/L
SP6478	SP6478	Water	2-Chlorophenol	61,300.000		710	5000	ug/L
SP6478	SP6478	Water	2-Methylnaphthalene	56,900.000		1100	5000	ug/L
SP6478	SP6478	Water	2-Methylphenol	55,000.000		1100	5000	ug/L
SP6478	SP6478	Water	2-Nitroaniline	60,400.000		1400	5000	ug/L
SP6478	SP6478	Water	2-Nitrophenol	68,100.000		2000	5000	ug/L
SP6478	SP6478	Water	3+4-Methylphenols	54,500.000		1200	10000	ug/L
SP6478	SP6478	Water	3,3-Dichlorobenzidine	39,100.000		1300	10000	ug/L
SP6478	SP6478	Water	3-Nitroaniline	38,500.000		1400	5000	ug/L
SP6478	SP6478	Water	4,6-Dinitro-2-methylphenol	68,900.000		3100	10000	ug/L
SP6478	SP6478	Water	4-Bromophenyl-phenylether	56,500.000		950	5000	ug/L
SP6478	SP6478	Water	4-Chloro-3-methylphenol	59,100.000		840	5000	ug/L
SP6478	SP6478	Water	4-Chloroaniline	28,200.000		1300	5000	ug/L
SP6478	SP6478	Water	4-Chlorophenyl-phenylether	57,500.000		980	5000	ug/L
SP6478	SP6478	Water	4-Nitroaniline	59,800.000		2000	5000	ug/L

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6478	SP6478	Water	4-Nitrophenol	119,600.000	E	2000	10000	ug/L
SP6478	SP6478	Water	Acenaphthene	63,000.000		810	5000	ug/L
SP6478	SP6478	Water	Acenaphthylene	60,100.000		1000	5000	ug/L
SP6478	SP6478	Water	Acetophenone	58,700.000		1100	5000	ug/L
SP6478	SP6478	Water	Aniline	38,800.000		1600	5000	ug/L
SP6478	SP6478	Water	Anthracene	56,300.000		1100	5000	ug/L
SP6478	SP6478	Water	Atrazine	68,900.000		1300	5000	ug/L
SP6478	SP6478	Water	Azobenzene	55,400.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzaldehyde	67,100.000		4000	10000	ug/L
SP6478	SP6478	Water	Benzidine	128,300.000	E	4100	10000	ug/L
SP6478	SP6478	Water	Benzo(a)anthracene	58,900.000		940	5000	ug/L
SP6478	SP6478	Water	Benzo(a)pyrene	60,600.000		1700	5000	ug/L
SP6478	SP6478	Water	Benzo(b)fluoranthene	62,300.000		1100	5000	ug/L
SP6478	SP6478	Water	Benzo(g,h,i)perylene	62,700.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzo(k)fluoranthene	62,400.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzoic acid	66,700.000		5500	10000	ug/L
SP6478	SP6478	Water	Benzyl Alcohol	57,100.000		1600	10000	ug/L
SP6478	SP6478	Water	bis(2-Chloroethoxy)methane	57,500.000		1000	5000	ug/L
SP6478	SP6478	Water	bis(2-Chloroethyl)ether	58,000.000		1200	5000	ug/L
SP6478	SP6478	Water	Bis(2-ethylhexyl)phthalate	57,200.000		1900	5000	ug/L
SP6478	SP6478	Water	Butylbenzylphthalate	62,300.000		2100	5000	ug/L
SP6478	SP6478	Water	Caprolactam	59,800.000		1700	10000	ug/L
SP6478	SP6478	Water	Carbazole	57,200.000		1200	5000	ug/L
SP6478	SP6478	Water	Chrysene	58,600.000		860	5000	ug/L
SP6478	SP6478	Water	Di-n-butylphthalate	54,900.000		1500	5000	ug/L
SP6478	SP6478	Water	Di-n-octyl phthalate	55,500.000		2500	10000	ug/L
SP6478	SP6478	Water	Dibenzo(a,h)anthracene	64,900.000		1200	5000	ug/L
SP6478	SP6478	Water	Dibenzofuran	57,500.000		930	5000	ug/L
SP6478	SP6478	Water	Diethylphthalate	55,900.000		1000	5000	ug/L
SP6478	SP6478	Water	Dimethylphthalate	57,000.000		930	5000	ug/L
SP6478	SP6478	Water	Fluoranthene	56,700.000		1300	5000	ug/L
SP6478	SP6478	Water	Fluorene	57,300.000		960	5000	ug/L
SP6478	SP6478	Water	Hexachlorobenzene	62,000.000		1100	5000	ug/L
SP6478	SP6478	Water	Hexachlorobutadiene	61,600.000		1300	5000	ug/L
SP6478	SP6478	Water	Hexachlorocyclopentadiene	133,600.000	E	5000	10000	ug/L
SP6478	SP6478	Water	Hexachloroethane	62,100.000		1000	5000	ug/L
SP6478	SP6478	Water	Indeno(1,2,3-cd)pyrene	66,400.000		1000	5000	ug/L
SP6478	SP6478	Water	Isophorone	57,900.000		1100	5000	ug/L
SP6478	SP6478	Water	n-Nitroso-di-n-propylamine	53,800.000		1500	2500	ug/L
SP6478	SP6478	Water	n-Nitrosodimethylamine	56,400.000		1000	10000	ug/L

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6478	SP6478	Water	n-Nitrosodiphenylamine	55,500.000		890	5000	ug/L
SP6478	SP6478	Water	Naphthalene	59,400.000		1000	5000	ug/L
SP6478	SP6478	Water	Nitrobenzene	57,100.000		1300	5000	ug/L
SP6478	SP6478	Water	Pentachlorophenol	108,200.000	E	1900	10000	ug/L
SP6478	SP6478	Water	Phenanthrene	56,400.000		890	5000	ug/L
SP6478	SP6478	Water	Phenol	61,700.000		930	5000	ug/L
SP6478	SP6478	Water	Pyrene	58,600.000		1100	5000	ug/L
SP6478	SP6478	Water	Pyridine	51,400.000		1600	5000	ug/L
SP6478	SP6478	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	126,600.000		2700	10000	ug/L
SP6478	SP6478	Water	Total PAH	964,600.000		17360	80000	ug/L
			Total Svoc :	**6,073,100.00**				
			Total Concentration:	**6,073,100.00**				

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-131-GW-01**								
P2218-01	B-131-GW-01	Water	(1R)-2,6,6-Trimethylbicyclo[3.1.1	*	2.300	J			
P2218-01	B-131-GW-01	Water	5-Eicosene, (E)-	*	6.500	J			
P2218-01	B-131-GW-01	Water	Benzene, 1,2,3,5-tetramethyl-	*	2.100	J			
P2218-01	B-131-GW-01	Water	Butane, 2-methoxy-2-methyl-	*	18.500	J			
P2218-01	B-131-GW-01	Water	Butyl citrate	*	12.400	J			
P2218-01	B-131-GW-01	Water	n-Hexadecanoic acid	*	8.300	J			
P2218-01	B-131-GW-01	Water	Naphthalene, 2,3-dimethyl-	*	3.000	J			
P2218-01	B-131-GW-01	Water	Naphthalene, 2,6-dimethyl-	*	2.400	J			
P2218-01	B-131-GW-01	Water	Octadecanoic acid	*	3.700	J			
			Total Tics :		**59.20**				
P2218-01	B-131-GW-01	Water	1-Methylnaphthalene		2.700	J	0.86	5	ug/L
P2218-01	B-131-GW-01	Water	Acenaphthene		7.100		0.81	5	ug/L
P2218-01	B-131-GW-01	Water	Dibenzofuran		4.000	J	0.93	5	ug/L
P2218-01	B-131-GW-01	Water	Fluorene		5.000		0.96	5	ug/L
P2218-01	B-131-GW-01	Water	Phenanthrene		3.100	J	0.89	5	ug/L
			Total Svoc :		**21.90**				
			Total Concentration:		**81.10**				
Client ID :	**B-131-GW-02**								
P2218-02	B-131-GW-02	Water	(1R)-2,6,6-Trimethylbicyclo[3.1.1	*	3.200	J			
P2218-02	B-131-GW-02	Water	1,3-Dioxolane, 2,2,4-trimethyl-	*	4.300	J			
P2218-02	B-131-GW-02	Water	1-Phenoxypropan-2-ol	*	3.000	J			
P2218-02	B-131-GW-02	Water	1-Phenyl-1-butene	*	2.400	J			
P2218-02	B-131-GW-02	Water	Butane, 2-methoxy-2-methyl-	*	19.700	J			
P2218-02	B-131-GW-02	Water	Butyl citrate	*	11.700	J			
P2218-02	B-131-GW-02	Water	Cetene	*	17.900	J			
P2218-02	B-131-GW-02	Water	Ethanol, 2-(2-butoxyethoxy)-	*	5.300	J			
P2218-02	B-131-GW-02	Water	Hexanoic acid, 2-ethyl-	*	3.400	J			
P2218-02	B-131-GW-02	Water	n-Hexadecanoic acid	*	19.500	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 1,6-dimethyl-	*	2.300	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 1,7-dimethyl-	*	3.200	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 2,3-dimethyl-	*	4.400	J			
P2218-02	B-131-GW-02	Water	Naphthalene, 2-methyl-	*	2.700	J			
P2218-02	B-131-GW-02	Water	Octadecanoic acid	*	7.300	J			
P2218-02	B-131-GW-02	Water	Octanoic acid	*	4.300	J			
P2218-02	B-131-GW-02	Water	Pentanedioic acid, dimethyl ester	*	5.200	J			
P2218-02	B-131-GW-02	Water	Supraene	*	3.600	J			
			Total Tics :		**123.40**				

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2218-02	B-131-GW-02	Water	1-Methylnaphthalene		3.400	J	0.86	5	ug/L
P2218-02	B-131-GW-02	Water	Acenaphthene		9.100		0.81	5	ug/L
P2218-02	B-131-GW-02	Water	Dibenzofuran		5.100		0.93	5	ug/L
P2218-02	B-131-GW-02	Water	Fluorene		6.600		0.96	5	ug/L
P2218-02	B-131-GW-02	Water	Phenanthrene		4.000	J	0.89	5	ug/L
P2218-02	B-131-GW-02	Water	Total PAH		19.700	J	17.36	80	ug/L
			Total Svoc :		**47.90**				
			Total Concentration:		**171.30**				
Client ID :	**B-101-GW01**								
P2266-01	B-101-GW01	Water	Butane, 2-methoxy-2-methyl-	*	18.700	J			
			Total Tics :		**18.70**				
			Total Concentration:		**18.70**				
Client ID :	**EB-042324**								
P2266-02	EB-042324	Water	2-Pentanone, 4-hydroxy-4-methyl	*	3.400	A			
P2266-02	EB-042324	Water	Butane, 2-methoxy-2-methyl-	*	33.100	J			
P2266-02	EB-042324	Water	Octadecanoic acid	*	3.900	J			
			Total Tics :		**40.40**				
			Total Concentration:		**40.40**				
Client ID :	**72-11936**								
P2270-01	72-11936	Solid	(1S)-2,6,6-Trimethylbicyclo[3.1.1	*	67.800	J			
P2270-01	72-11936	Solid	.gamma.-Sitosterol	*	92.800	J			
P2270-01	72-11936	Solid	1-Tricosene	*	110.000	J			
P2270-01	72-11936	Solid	16-Heptadecenal	*	49.600	J			
P2270-01	72-11936	Solid	3-Acetyl-8-methoxycoumarin	*	57.600	J			
P2270-01	72-11936	Solid	3-Octadecene, (E)-	*	91.500	J			
P2270-01	72-11936	Solid	Butane, 2-methoxy-2-methyl-	*	170.000	J			
P2270-01	72-11936	Solid	Docosane, 11-butyl-	*	460.000	J			
P2270-01	72-11936	Solid	Eicosane	*	100.000	J			
P2270-01	72-11936	Solid	Hexacosanal	*	60.600	J			
P2270-01	72-11936	Solid	n-Hexadecanoic acid	*	120.000	J			
P2270-01	72-11936	Solid	Nonacosan-10-ol	*	220.000	J			
P2270-01	72-11936	Solid	Pentadecane, 8-hexyl-	*	380.000	J			
P2270-01	72-11936	Solid	Propylene Glycol	*	58.000	J			
P2270-01	72-11936	Solid	Supraene	*	68.300	J			
P2270-01	72-11936	Solid	Tetracosane	*	63.300	J			
P2270-01	72-11936	Solid	unknown17.233	*	49.800	J			
			Total Tics :		**2,219.30**				
			Total Concentration:		**2,219.30**				
Client ID :	**VNJ-240**								

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P2270-03	VNJ-240	Solid	5-Eicosene, (E)-	*	110.000	J			
P2270-03	VNJ-240	Solid	Butane, 2-methoxy-2-methyl-	*	140.000	J			
P2270-03	VNJ-240	Solid	n-Hexadecanoic acid	*	150.000	J			
P2270-03	VNJ-240	Solid	Supraene	*	53.900	J			
P2270-03	VNJ-240	Solid	unknown10.192	*	740.000	J			
P2270-03	VNJ-240	Solid	unknown3.710	*	130.000	J			
			Total Tics :		**1,323.90**				
			Total Concentration:		**1,323.90**				
Client ID :	**RT-3860**								
P2271-01	RT-3860	Solid	1-Phenoxypropan-2-ol	*	46.900	J			
P2271-01	RT-3860	Solid	Butane, 2-methoxy-2-methyl-	*	190.000	J			
P2271-01	RT-3860	Solid	n-Hexadecanoic acid	*	130.000	J			
P2271-01	RT-3860	Solid	Pentadecafluorooctanoic acid, oct	*	120.000	J			
P2271-01	RT-3860	Solid	Propylene Glycol	*	160.000	J			
P2271-01	RT-3860	Solid	unknown10.198	*	1,600.000	J			
			Total Tics :		**2,246.90**				
P2271-01	RT-3860	Solid	Bis(2-ethylhexyl)phthalate		65.100	J	61.5	110	ug/Kg
P2271-01	RT-3860	Solid	Chrysene		55.500	J	53.8	110	ug/Kg
P2271-01	RT-3860	Solid	Fluoranthene		170.000		55.3	110	ug/Kg
P2271-01	RT-3860	Solid	Phenanthrene		94.800	J	56.8	110	ug/Kg
P2271-01	RT-3860	Solid	Pyrene		150.000		56.1	110	ug/Kg
			Total Svoc :		**535.40**				
			Total Concentration:		**2,782.30**				
Client ID :	**VNJ-209**								
P2274-02	VNJ-209	Solid	9-Methylheneicosane	*	1,300.000	J			
P2274-02	VNJ-209	Solid	Anthracene, 1-methyl-	*	480.000	J			
P2274-02	VNJ-209	Solid	Decane, 3,8-dimethyl-	*	300.000	J			
P2274-02	VNJ-209	Solid	Heptadecane, 4-methyl-	*	280.000	J			
P2274-02	VNJ-209	Solid	Hexadecane	*	350.000	J			
P2274-02	VNJ-209	Solid	Hexanedioic acid, bis(2-ethylhexy	*	1,500.000	J			
P2274-02	VNJ-209	Solid	Nonadecane	*	550.000	J			
P2274-02	VNJ-209	Solid	Nonadecane, 9-methyl-	*	420.000	J			
P2274-02	VNJ-209	Solid	Sulfurous acid, butyl octadecyl es	*	360.000	J			
P2274-02	VNJ-209	Solid	Sulfurous acid, octadecyl 2-propyl	*	680.000	J			
P2274-02	VNJ-209	Solid	Tetracosane	*	1,300.000	J			
			Total Tics :		**7,520.00**				
P2274-02	VNJ-209	Solid	Benzo(a)anthracene		500.000	J	280	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(a)pyrene		540.000	J	320	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(b)fluoranthene		710.000		280	590	ug/Kg
P2274-02	VNJ-209	Solid	Benzo(g,h,i)perylene		360.000	J	280	590	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2274-02	VNJ-209	Solid	Chrysene	640.000		270	590	ug/Kg
P2274-02	VNJ-209	Solid	Fluoranthene	940.000		280	590	ug/Kg
P2274-02	VNJ-209	Solid	Indeno(1,2,3-cd)pyrene	290.000	J	270	590	ug/Kg
P2274-02	VNJ-209	Solid	Phenanthrene	590.000		290	590	ug/Kg
P2274-02	VNJ-209	Solid	Pyrene	1,000.000		290	590	ug/Kg
			Total Svoc :	**5,570.00**				
			Total Concentration:	**13,090.00**				
Client ID : SP6478								
SP6478	SP6478	Water	1,1-Biphenyl	58,700.000		910	5000	ug/L
SP6478	SP6478	Water	1,2,4,5-Tetrachlorobenzene	60,000.000		1100	5000	ug/L
SP6478	SP6478	Water	1,2,4-Trichlorobenzene	61,900.000		1100	5000	ug/L
SP6478	SP6478	Water	1,2-Dichlorobenzene	64,100.000		880	5000	ug/L
SP6478	SP6478	Water	1,3-Dichlorobenzene	62,200.000		800	5000	ug/L
SP6478	SP6478	Water	1,4-Dichlorobenzene	61,900.000		840	5000	ug/L
SP6478	SP6478	Water	1,4-Dioxane	56,800.000		1300	5000	ug/L
SP6478	SP6478	Water	1-Methylnaphthalene	56,800.000		860	5000	ug/L
SP6478	SP6478	Water	2,2-oxybis(1-Chloropropane)	56,400.000		1400	5000	ug/L
SP6478	SP6478	Water	2,3,4,6-Tetrachlorophenol	60,200.000		790	5000	ug/L
SP6478	SP6478	Water	2,4,5-Trichlorophenol	55,600.000		1000	5000	ug/L
SP6478	SP6478	Water	2,4,6-Trichlorophenol	60,300.000		890	5000	ug/L
SP6478	SP6478	Water	2,4-Dichlorophenol	61,100.000		880	5000	ug/L
SP6478	SP6478	Water	2,4-Dimethylphenol	48,200.000		1500	5000	ug/L
SP6478	SP6478	Water	2,4-Dinitrophenol	128,300.000	E	6400	10000	ug/L
SP6478	SP6478	Water	2,4-Dinitrotoluene	66,000.000		1500	5000	ug/L
SP6478	SP6478	Water	2,6-Dinitrotoluene	60,600.000		1200	5000	ug/L
SP6478	SP6478	Water	2-Chloronaphthalene	59,700.000		970	5000	ug/L
SP6478	SP6478	Water	2-Chlorophenol	61,300.000		710	5000	ug/L
SP6478	SP6478	Water	2-Methylnaphthalene	56,900.000		1100	5000	ug/L
SP6478	SP6478	Water	2-Methylphenol	55,000.000		1100	5000	ug/L
SP6478	SP6478	Water	2-Nitroaniline	60,400.000		1400	5000	ug/L
SP6478	SP6478	Water	2-Nitrophenol	68,100.000		2000	5000	ug/L
SP6478	SP6478	Water	3+4-Methylphenols	54,500.000		1200	10000	ug/L
SP6478	SP6478	Water	3,3-Dichlorobenzidine	39,100.000		1300	10000	ug/L
SP6478	SP6478	Water	3-Nitroaniline	38,500.000		1400	5000	ug/L
SP6478	SP6478	Water	4,6-Dinitro-2-methylphenol	68,900.000		3100	10000	ug/L
SP6478	SP6478	Water	4-Bromophenyl-phenylether	56,500.000		950	5000	ug/L
SP6478	SP6478	Water	4-Chloro-3-methylphenol	59,100.000		840	5000	ug/L
SP6478	SP6478	Water	4-Chloroaniline	28,200.000		1300	5000	ug/L
SP6478	SP6478	Water	4-Chlorophenyl-phenylether	57,500.000		980	5000	ug/L
SP6478	SP6478	Water	4-Nitroaniline	59,800.000		2000	5000	ug/L

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6478	SP6478	Water	4-Nitrophenol	119,600.000	E	2000	10000	ug/L
SP6478	SP6478	Water	Acenaphthene	63,000.000		810	5000	ug/L
SP6478	SP6478	Water	Acenaphthylene	60,100.000		1000	5000	ug/L
SP6478	SP6478	Water	Acetophenone	58,700.000		1100	5000	ug/L
SP6478	SP6478	Water	Aniline	38,800.000		1600	5000	ug/L
SP6478	SP6478	Water	Anthracene	56,300.000		1100	5000	ug/L
SP6478	SP6478	Water	Atrazine	68,900.000		1300	5000	ug/L
SP6478	SP6478	Water	Azobenzene	55,400.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzaldehyde	67,100.000		4000	10000	ug/L
SP6478	SP6478	Water	Benzidine	128,300.000	E	4100	10000	ug/L
SP6478	SP6478	Water	Benzo(a)anthracene	58,900.000		940	5000	ug/L
SP6478	SP6478	Water	Benzo(a)pyrene	60,600.000		1700	5000	ug/L
SP6478	SP6478	Water	Benzo(b)fluoranthene	62,300.000		1100	5000	ug/L
SP6478	SP6478	Water	Benzo(g,h,i)perylene	62,700.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzo(k)fluoranthene	62,400.000		1200	5000	ug/L
SP6478	SP6478	Water	Benzoic acid	66,700.000		5500	10000	ug/L
SP6478	SP6478	Water	Benzyl Alcohol	57,100.000		1600	10000	ug/L
SP6478	SP6478	Water	bis(2-Chloroethoxy)methane	57,500.000		1000	5000	ug/L
SP6478	SP6478	Water	bis(2-Chloroethyl)ether	58,000.000		1200	5000	ug/L
SP6478	SP6478	Water	Bis(2-ethylhexyl)phthalate	57,200.000		1900	5000	ug/L
SP6478	SP6478	Water	Butylbenzylphthalate	62,300.000		2100	5000	ug/L
SP6478	SP6478	Water	Caprolactam	59,800.000		1700	10000	ug/L
SP6478	SP6478	Water	Carbazole	57,200.000		1200	5000	ug/L
SP6478	SP6478	Water	Chrysene	58,600.000		860	5000	ug/L
SP6478	SP6478	Water	Di-n-butylphthalate	54,900.000		1500	5000	ug/L
SP6478	SP6478	Water	Di-n-octyl phthalate	55,500.000		2500	10000	ug/L
SP6478	SP6478	Water	Dibenzo(a,h)anthracene	64,900.000		1200	5000	ug/L
SP6478	SP6478	Water	Dibenzofuran	57,500.000		930	5000	ug/L
SP6478	SP6478	Water	Diethylphthalate	55,900.000		1000	5000	ug/L
SP6478	SP6478	Water	Dimethylphthalate	57,000.000		930	5000	ug/L
SP6478	SP6478	Water	Fluoranthene	56,700.000		1300	5000	ug/L
SP6478	SP6478	Water	Fluorene	57,300.000		960	5000	ug/L
SP6478	SP6478	Water	Hexachlorobenzene	62,000.000		1100	5000	ug/L
SP6478	SP6478	Water	Hexachlorobutadiene	61,600.000		1300	5000	ug/L
SP6478	SP6478	Water	Hexachlorocyclopentadiene	133,600.000	E	5000	10000	ug/L
SP6478	SP6478	Water	Hexachloroethane	62,100.000		1000	5000	ug/L
SP6478	SP6478	Water	Indeno(1,2,3-cd)pyrene	66,400.000		1000	5000	ug/L
SP6478	SP6478	Water	Isophorone	57,900.000		1100	5000	ug/L
SP6478	SP6478	Water	n-Nitroso-di-n-propylamine	53,800.000		1500	2500	ug/L
SP6478	SP6478	Water	n-Nitrosodimethylamine	56,400.000		1000	10000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BF042624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6478	SP6478	Water	n-Nitrosodiphenylamine	55,500.000		890	5000	ug/L
SP6478	SP6478	Water	Naphthalene	59,400.000		1000	5000	ug/L
SP6478	SP6478	Water	Nitrobenzene	57,100.000		1300	5000	ug/L
SP6478	SP6478	Water	Pentachlorophenol	108,200.000	E	1900	10000	ug/L
SP6478	SP6478	Water	Phenanthrene	56,400.000		890	5000	ug/L
SP6478	SP6478	Water	Phenol	61,700.000		930	5000	ug/L
SP6478	SP6478	Water	Pyrene	58,600.000		1100	5000	ug/L
SP6478	SP6478	Water	Pyridine	51,400.000		1600	5000	ug/L
SP6478	SP6478	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	126,600.000		2700	10000	ug/L
SP6478	SP6478	Water	Total PAH	964,600.000		17360	80000	ug/L
			Total Svoc :	**6,073,100.00**				
			Total Concentration:	**6,073,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042324 SAS No.: BF042324 SDG No.: BF042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 17:12

LAB FILE ID: RRF2.5 = BF137698.D RRF005 = BF137699.D RRF010 = BF137700.D
RRF020 = BF137701.D RRF040 = BF137702.D RRF050 = BF137703.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.746	0.749	0.768	0.707	0.727	0.733	3.2
Pyridine		1.578	1.606	1.650	1.525	1.550	1.571	3.0
2-Fluorophenol		1.440	1.412	1.426	1.250	1.257	1.317	8.1
Benzaldehyde		1.088	1.072	1.032	0.832	0.815	0.938	14.9
Aniline		2.127	2.152	2.195	2.002	2.046	2.081	3.8
Phenol-d6		1.792	1.798	1.824	1.606	1.614	1.672	7.9
Phenol		1.759	1.769	1.813	1.603	1.620	1.670	6.5
bis(2-Chloroethyl)ether		1.457	1.437	1.459	1.315	1.311	1.362	6.4
2-Chlorophenol		1.439	1.474	1.514	1.319	1.321	1.374	7.5
1,2-Dichlorobenzene		1.477	1.462	1.489	1.294	1.301	1.351	9.2
1,3-Dichlorobenzene		1.547	1.540	1.551	1.383	1.390	1.441	7.1
1,4-Dichlorobenzene		1.565	1.559	1.573	1.389	1.399	1.451	7.8
Benzyl Alcohol		1.280	1.280	1.319	1.220	1.250	1.251	4.1
2-Methylphenol		1.273	1.272	1.298	1.177	1.190	1.221	5.0
2,2-oxybis(1-Chloropropane)		2.188	2.189	2.247	2.031	2.047	2.095	5.6
Acetophenone		0.539	0.526	0.531	0.462	0.467	0.489	8.6
3+4-Methylphenols		1.675	1.686	1.736	1.540	1.525	1.577	8.1
n-Nitroso-di-n-propylamine	1.141	1.149	1.146	1.164	1.021	1.032	1.081	7.1
Nitrobenzene-d5		0.382	0.387	0.405	0.360	0.372	0.377	4.5
Hexachloroethane		0.521	0.539	0.556	0.495	0.505	0.514	5.3
Nitrobenzene		0.380	0.392	0.408	0.366	0.376	0.381	4.3
Isophorone		0.720	0.716	0.738	0.659	0.691	0.700	4.0
2-Nitrophenol		0.136	0.153	0.176	0.166	0.178	0.167	10.2
2,4-Dimethylphenol		0.370	0.353	0.354	0.313	0.327	0.337	6.6
bis(2-Chloroethoxy)methane		0.447	0.451	0.461	0.404	0.415	0.427	6.0
2,4-Dichlorophenol		0.299	0.302	0.316	0.281	0.292	0.295	4.3
1,2,4-Trichlorobenzene		0.315	0.316	0.323	0.285	0.294	0.301	5.6
Benzoic acid			0.162	0.206	0.210	0.230	0.213	13.3
Naphthalene		1.126	1.109	1.128	0.964	0.980	1.021	9.7
4-Chloroaniline		0.459	0.460	0.471	0.409	0.417	0.432	7.2
Hexachlorobutadiene		0.184	0.191	0.195	0.173	0.177	0.180	5.6
Caprolactam		0.096	0.096	0.099	0.091	0.094	0.095	2.6
4-Chloro-3-methylphenol		0.319	0.326	0.335	0.299	0.306	0.313	4.4
2-Methylnaphthalene		0.773	0.765	0.775	0.656	0.671	0.700	9.9
Hexachlorocyclopentadiene		0.262	0.286	0.318	0.304	0.323	0.307	8.3
2,4,6-Trichlorophenol		0.389	0.395	0.411	0.373	0.379	0.385	4.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042324 SAS No.: BF042324 SDG No.: BF042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 17:12

LAB FILE ID: RRF2.5 = BF137698.D RRF005 = BF137699.D RRF010 = BF137700.D
RRF020 = BF137701.D RRF040 = BF137702.D RRF050 = BF137703.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.527	1.512	1.483	1.190	1.169	1.339	13.9
2,4,5-Trichlorophenol		0.444	0.453	0.480	0.417	0.430	0.441	4.9
1,1-Biphenyl		1.605	1.600	1.612	1.377	1.380	1.455	10.1
2-Chloronaphthalene		1.191	1.201	1.227	1.058	1.078	1.122	7.4
2-Nitroaniline		0.292	0.324	0.364	0.337	0.356	0.342	7.8
Dimethylphthalate		1.518	1.483	1.512	1.292	1.326	1.393	7.6
Acenaphthylene		1.892	1.888	1.931	1.655	1.667	1.749	8.6
2,6-Dinitrotoluene		0.269	0.293	0.314	0.286	0.299	0.294	5.1
3-Nitroaniline		0.312	0.326	0.349	0.324	0.333	0.330	3.8
Acenaphthene		1.233	1.210	1.247	1.059	1.083	1.133	8.4
2,4-Dinitrophenol			0.094	0.124	0.130	0.147	0.135	18.0
4-Nitrophenol		0.235	0.253	0.275	0.254	0.258	0.257	4.8
Dibenzofuran		1.836	1.834	1.831	1.553	1.566	1.660	10.2
2,4-Dinitrotoluene		0.304	0.353	0.403	0.365	0.388	0.370	9.2
Diethylphthalate		1.474	1.467	1.486	1.245	1.258	1.340	9.7
4-Chlorophenyl-phenylether		0.703	0.702	0.713	0.593	0.608	0.641	9.8
Fluorene		1.473	1.434	1.452	1.202	1.214	1.297	11.6
4-Nitroaniline		0.284	0.309	0.345	0.308	0.317	0.314	6.0
4,6-Dinitro-2-methylphenol			0.086	0.111	0.112	0.123	0.115	13.8
n-Nitrosodiphenylamine		0.718	0.722	0.739	0.638	0.657	0.677	7.3
Azobenzene		1.494	1.495	1.514	1.303	1.299	1.373	9.0
2,4,6-Tribromophenol		0.213	0.214	0.221	0.187	0.193	0.202	6.9
4-Bromophenyl-phenylether		0.240	0.241	0.248	0.217	0.229	0.232	5.2
Hexachlorobenzene		0.238	0.233	0.240	0.212	0.221	0.226	5.3
Atrazine		0.221	0.211	0.214	0.177	0.169	0.187	14.9
Pentachlorophenol		0.167	0.173	0.185	0.164	0.169	0.170	4.9
Phenanthrene		1.188	1.163	1.168	0.987	1.000	1.059	10.7
Anthracene		1.208	1.193	1.199	1.014	1.026	1.084	10.5
Carbazole		1.090	1.061	1.077	0.926	0.937	0.982	9.4
Di-n-butylphthalate		1.321	1.310	1.366	1.113	1.130	1.198	11.0
Fluoranthene		1.243	1.234	1.239	1.040	1.054	1.113	11.2
Benzidine		0.563	0.623	0.467	0.438	0.365	0.467	20.5
Pyrene		1.649	1.684	1.724	1.536	1.589	1.642	3.8
Terphenyl-d14		1.347	1.337	1.342	1.130	1.155	1.243	7.7
Butylbenzylphthalate		0.497	0.535	0.611	0.562	0.604	0.582	9.1
3,3-Dichlorobenzidine		0.459	0.467	0.483	0.411	0.416	0.432	9.2

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042324 SAS No.: BF042324 SDG No.: BF042324

Instrument ID: Calibration Date(s): 4/23/2024

Calibration Time(s): 17:12

LAB FILE ID: RRF2.5 = BF137698.D RRF005 = BF137699.D RRF010 = BF137700.D
RRF020 = BF137701.D RRF040 = BF137702.D RRF050 = BF137703.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.454	1.458	1.483	1.326	1.348	1.395	5.1
Chrysene		1.373	1.369	1.410	1.231	1.258	1.303	6.1
Bis(2-ethylhexyl)phthalate		0.790	0.837	0.961	0.853	0.906	0.879	6.6
Di-n-octyl phthalate		1.237	1.223	1.449	1.321	1.341	1.321	5.8
Benzo(b)fluoranthene		1.224	1.304	1.385	1.271	1.284	1.280	4.3
Benzo(k)fluoranthene		1.268	1.267	1.402	1.220	1.260	1.258	6.7
Benzo(a)pyrene		1.120	1.143	1.222	1.124	1.155	1.148	3.3
Indeno(1,2,3-cd)pyrene		1.059	1.018	1.037	1.012	1.117	1.109	10.3
Dibenzo(a,h)anthracene		0.882	0.850	0.871	0.842	0.924	0.920	9.4
Benzo(g,h,i)perylene		0.833	0.792	0.810	0.815	0.913	0.895	13.2
1,2,4,5-Tetrachlorobenzene		0.578	0.588	0.591	0.520	0.529	0.548	6.7
1,4-Dioxane		0.592	0.604	0.627	0.567	0.583	0.590	3.8
2,3,4,6-Tetrachlorophenol		0.359	0.361	0.374	0.323	0.329	0.341	6.8
1-Methylnaphthalene		0.723	0.720	0.727	0.612	0.622	0.655	10.2

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 26 2024 12:00AM

Lab File ID: BF137702.D Time Analyzed: 12:18

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	305832	7.063	1.23021e+0(	8.35	677967	10.12
	UPPER LIMIT	611664	7.563	2460420	8.851	1355934	10.616
	LOWER LIMIT	152916	6.563	615105	7.851	338983.5	9.616
	EPA SAMPLE NO.						
01	PB160276BL	287298	7.06	1.12239e	8.35	629749	10.10
02	PB160534BS	294250	7.06	1.18457e	8.35	625679	10.11
03	SP6478	218086	7.06	871765	8.35	491185	10.11
04	PB160534BSD	292935	7.06	1.1757e+	8.35	629297	10.11
05	B-131-GW-01	263842	7.06	1.03516e	8.35	578632	10.10
06	B-131-GW-02	257405	7.06	1.02483e	8.35	571802	10.10
07	B-101-GW01	256506	7.06	1.00181e	8.35	561493	10.10
08	EB-042324	242382	7.06	929874	8.35	500964	10.10
09	RT-3860	261062	7.06	1.00377e	8.35	558849	10.10
10	RT-3860MS	245985	7.06	986748	8.35	536788	10.11
11	RT-3860MSD	266504	7.06	1.05994e	8.35	582399	10.11
12	VNJ-240	273616	7.06	1.05697e	8.35	583801	10.10
13	72-11936	312491	7.06	1.21319e	8.35	646653	10.10
14	VNJ-209	312691	7.06	1.23571e	8.35	656280	10.10

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 26 2024 12:00AM

Lab File ID: BF137730.D Time Analyzed: 12:18

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	298467	7.063	1.15952e+0(	8.35	642207	10.11
	UPPER LIMIT	596934	7.563	2319040	8.851	1284414	10.61
	LOWER LIMIT	149233.5	6.563	579760	7.851	321103.5	9.61
	EPA SAMPLE NO.						
01	PB160276BL	287298	7.06	1.12239e	8.35	629749	10.10
02	PB160534BS	294250	7.06	1.18457e	8.35	625679	10.11
03	SP6478	218086	7.06	871765	8.35	491185	10.11
04	PB160534BSD	292935	7.06	1.1757e+	8.35	629297	10.11
05	B-131-GW-01	263842	7.06	1.03516e	8.35	578632	10.10
06	B-131-GW-02	257405	7.06	1.02483e	8.35	571802	10.10
07	B-101-GW01	256506	7.06	1.00181e	8.35	561493	10.10
08	EB-042324	242382	7.06	929874	8.35	500964	10.10
09	RT-3860	261062	7.06	1.00377e	8.35	558849	10.10
10	RT-3860MS	245985	7.06	986748	8.35	536788	10.11
11	RT-3860MSD	266504	7.06	1.05994e	8.35	582399	10.11
12	VNJ-240	273616	7.06	1.05697e	8.35	583801	10.10
13	72-11936	312491	7.06	1.21319e	8.35	646653	10.10
14	VNJ-209	312691	7.06	1.23571e	8.35	656280	10.10

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 26 2024 12:00AM

Lab File ID: BF137702.D Time Analyzed: 12:18

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.14297e+0(	11.604	792945	14.257	644418	15.833
	UPPER LIMIT	2285940	12.104	1585890	14.757	1288836	16.333
	LOWER LIMIT	571485	11.104	396472.5	13.757	322209	15.333
	EPA SAMPLE NO.						
01	PB160276BL	1.12891	11.60	789984	14.25	586729	15.82
02	PB160534BS	1.10387	11.60	742528	14.26	572054	15.83
03	SP6478	853405	11.60	565305	14.26	452650	15.83
04	PB160534BSD	1.10082	11.60	693809	14.26	530667	15.83
05	B-131-GW-01	973877	11.60	496435	14.25	495411	15.82
06	B-131-GW-02	976845	11.60	514641	14.25	512335	15.82
07	B-101-GW01	963095	11.60	481018	14.25	503546	15.82
08	EB-042324	821891	11.60	440339	14.25	498216	15.82
09	RT-3860	943497	11.60	487546	14.25	535412	15.82
10	RT-3860MS	866162	11.60	425029	14.25	521307	15.82
11	RT-3860MSD	972666	11.60	476679	14.25	540439	15.83
12	VNJ-240	962669	11.60	465676	14.25	555422	15.82
13	72-11936	949774	11.60	541107	14.25	563364	15.82
14	VNJ-209	917831	11.60	560411	14.26	579820	15.83

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 26 2024 12:00AM

Lab File ID: BF137730.D Time Analyzed: 12:18

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.07855e+0(	11.604	707460	14.257	576936	15.827
	UPPER LIMIT	2157100	12.104	1414920	14.757	1153872	16.327
	LOWER LIMIT	539275	11.104	353730	13.757	288468	15.327
	EPA SAMPLE NO.						
01	PB160276BL	1.12891	11.60	789984	14.25	586729	15.82
02	PB160534BS	1.10387	11.60	742528	14.26	572054	15.83
03	SP6478	853405	11.60	565305	14.26	452650	15.83
04	PB160534BSD	1.10082	11.60	693809	14.26	530667	15.83
05	B-131-GW-01	973877	11.60	496435	14.25	495411	15.82
06	B-131-GW-02	976845	11.60	514641	14.25	512335	15.82
07	B-101-GW01	963095	11.60	481018	14.25	503546	15.82
08	EB-042324	821891	11.60	440339	14.25	498216	15.82
09	RT-3860	943497	11.60	487546	14.25	535412	15.82
10	RT-3860MS	866162	11.60	425029	14.25	521307	15.82
11	RT-3860MSD	972666	11.60	476679	14.25	540439	15.83
12	VNJ-240	962669	11.60	465676	14.25	555422	15.82
13	72-11936	949774	11.60	541107	14.25	563364	15.82
14	VNJ-209	917831	11.60	560411	14.26	579820	15.83

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160534BS	n-Nitrosodimethylamine	50	40.1	ug/L	80				55	108	
	Pyridine	50	30.8	ug/L	62				29	97	
	Benzaldehyde	50		ug/L	0		*		15	121	
	Aniline	50	16.7	ug/L	33				10	130	
	Phenol	50	43.8	ug/L	88				66	118	
	bis(2-Chloroethyl)ether	50	42	ug/L	84				62	103	
	2-Chlorophenol	50	45.6	ug/L	91				70	117	
	1,2-Dichlorobenzene	50	46.5	ug/L	93				72	102	
	1,3-Dichlorobenzene	50	44.1	ug/L	88				71	103	
	1,4-Dichlorobenzene	50	45.2	ug/L	90				76	103	
	Benzyl Alcohol	50	42	ug/L	84				36	93	
	2-Methylphenol	50	41.1	ug/L	82				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.6	ug/L	83				52	103	
	Acetophenone	50	42.9	ug/L	86				60	104	
	3+4-Methylphenols	50	40.4	ug/L	81				67	106	
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80				57	107	
	Hexachloroethane	50	44.8	ug/L	90				76	118	
	Nitrobenzene	50	41.9	ug/L	84				58	106	
	Isophorone	50	41.9	ug/L	84				61	102	
	2-Nitrophenol	50	48.7	ug/L	97				70	115	
	2,4-Dimethylphenol	50	36.9	ug/L	74				67	130	
	bis(2-Chloroethoxy)methane	50	41.1	ug/L	82				58	109	
	2,4-Dichlorophenol	50	44.1	ug/L	88				66	115	
	1,2,4-Trichlorobenzene	50	44.5	ug/L	89				41	115	
	Benzoic acid	50	47.4	ug/L	95				10	125	
	Naphthalene	50	43.1	ug/L	86				64	107	
	4-Chloroaniline	50	13.9	ug/L	28				10	85	
	Hexachlorobutadiene	50	44.1	ug/L	88				69	101	
	Caprolactam	50	43.2	ug/L	86				58	128	
	4-Chloro-3-methylphenol	50	42.9	ug/L	86				65	114	
	2-Methylnaphthalene	50	40.7	ug/L	81				64	107	
	Hexachlorocyclopentadiene	100	93.8	ug/L	94				36	160	
	2,4,6-Trichlorophenol	50	46.1	ug/L	92				61	110	
	2,4,5-Trichlorophenol	50	42.2	ug/L	84				70	106	
	1,1-Biphenyl	50	44.7	ug/L	89				72	98	
	2-Chloronaphthalene	50	46.2	ug/L	92				59	106	
	2-Nitroaniline	50	46.4	ug/L	93				58	107	
	Dimethylphthalate	50	43.4	ug/L	87				64	103	
	Acenaphthylene	50	45.7	ug/L	91				65	108	
	2,6-Dinitrotoluene	50	47.3	ug/L	95				64	110	
	3-Nitroaniline	50	29.7	ug/L	59				28	100	
	Acenaphthene	50	48.4	ug/L	97				59	113	
	Total PAH	800	740.1	ug/L	93				59	113	
	2,4-Dinitrophenol	100	100	ug/L	100				64	132	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160534BS	4-Nitrophenol	100	93.1	ug/L	93				68	116	
	Dibenzofuran	50	44.1	ug/L	88				65	106	
	2,4-Dinitrotoluene	50	50	ug/L	100				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	97.3	ug/L	97				60	115	
	Diethylphthalate	50	42.4	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	43.7	ug/L	87				61	104	
	Fluorene	50	43.7	ug/L	87				64	107	
	4-Nitroaniline	50	44.4	ug/L	89				69	112	
	4,6-Dinitro-2-methylphenol	50	51.1	ug/L	102				62	132	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				61	109	
	Azobenzene	50	41.9	ug/L	84				59	106	
	4-Bromophenyl-phenylether	50	42.4	ug/L	85				73	103	
	Hexachlorobenzene	50	46.5	ug/L	93				73	106	
	Atrazine	50	37.3	ug/L	75		*		76	120	
	Pentachlorophenol	100	81.6	ug/L	82				47	114	
	Phenanthrene	50	42.5	ug/L	85				62	109	
	Anthracene	50	42.4	ug/L	85				65	110	
	Carbazole	50	43	ug/L	86				62	106	
	Di-n-butylphthalate	50	41.2	ug/L	82				64	106	
	Fluoranthene	50	42.8	ug/L	86				64	110	
	Benzidine	100	13	ug/L	13				10	94	
	Pyrene	50	43.5	ug/L	87				71	103	
	Butylbenzylphthalate	50	45.9	ug/L	92				61	105	
	3,3-Dichlorobenzidine	50	31.4	ug/L	63				43	108	
	Benzo(a)anthracene	50	43.4	ug/L	87				62	107	
	Chrysene	50	42.7	ug/L	85				61	108	
	bis(2-Ethylhexyl)phthalate	50	42.4	ug/L	85				59	110	
	Di-n-octyl phthalate	50	41.1	ug/L	82				67	126	
	Benzo(b)fluoranthene	50	48.1	ug/L	96				77	113	
	Benzo(k)fluoranthene	50	48	ug/L	96				64	113	
	Benzo(a)pyrene	50	45.4	ug/L	91				72	131	
	Indeno(1,2,3-cd)pyrene	50	53.6	ug/L	107		*		72	105	
	Dibenz(a,h)anthracene	50	53.7	ug/L	107				78	115	
	Benzo(g,h,i)perylene	50	53.1	ug/L	106				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.3	ug/L	93				72	101	
	1,4-Dioxane	50	35.2	ug/L	70				38	125	
	2,3,4,6-Tetrachlorophenol	50	45.9	ug/L	92				63	116	
	1-Methylnaphthalene	50	41	ug/L	82				51	114	
PB160534BSD	n-Nitrosodimethylamine	50	40.2	ug/L	80				55	108	20
	Pyridine	50	30.7	ug/L	61				29	97	20
	Benzaldehyde	50		ug/L	0		*		15	121	20
	Aniline	50	16	ug/L	32				10	130	20
	Phenol	50	43.1	ug/L	86				66	118	20
	bis(2-Chloroethyl)ether	50	42.1	ug/L	84				62	103	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160534BSD	2-Chlorophenol	50	45.7	ug/L	91				70	117	20
	1,2-Dichlorobenzene	50	46.3	ug/L	93				72	102	20
	1,3-Dichlorobenzene	50	44.4	ug/L	89				71	103	20
	1,4-Dichlorobenzene	50	44.9	ug/L	90				76	103	20
	Benzyl Alcohol	50	42.2	ug/L	84				36	93	20
	2-Methylphenol	50	40.7	ug/L	81				69	109	20
	2,2-oxybis(1-Chloropropane)	50	41.8	ug/L	84				52	103	20
	Acetophenone	50	42.8	ug/L	86				60	104	20
	3+4-Methylphenols	50	40.3	ug/L	81				67	106	20
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80				57	107	20
	Hexachloroethane	50	45.1	ug/L	90				76	118	20
	Nitrobenzene	50	41.6	ug/L	83				58	106	20
	Isophorone	50	42.2	ug/L	84				61	102	20
	2-Nitrophenol	50	49.2	ug/L	98				70	115	20
	2,4-Dimethylphenol	50	36.9	ug/L	74				67	130	20
	bis(2-Chloroethoxy)methane	50	41.9	ug/L	84				58	109	20
	2,4-Dichlorophenol	50	44.2	ug/L	88				66	115	20
	1,2,4-Trichlorobenzene	50	45.2	ug/L	90				41	115	20
	Benzoic acid	50	48.5	ug/L	97				10	125	20
	Naphthalene	50	43	ug/L	86				64	107	20
	4-Chloroaniline	50	14.5	ug/L	29				10	85	20
	Hexachlorobutadiene	50	44.5	ug/L	89				69	101	20
	Caprolactam	50	44.4	ug/L	89				58	128	20
	4-Chloro-3-methylphenol	50	43.1	ug/L	86				65	114	20
	2-Methylnaphthalene	50	41.1	ug/L	82				64	107	20
	Hexachlorocyclopentadiene	100	93.4	ug/L	93				36	160	20
	2,4,6-Trichlorophenol	50	45.6	ug/L	91				61	110	20
	2,4,5-Trichlorophenol	50	41.9	ug/L	84				70	106	20
	1,1-Biphenyl	50	44.5	ug/L	89				72	98	20
	2-Chloronaphthalene	50	46.1	ug/L	92				59	106	20
	2-Nitroaniline	50	46	ug/L	92				58	107	20
	Dimethylphthalate	50	43.3	ug/L	87				64	103	20
	Acenaphthylene	50	45.4	ug/L	91				65	108	20
	2,6-Dinitrotoluene	50	46.7	ug/L	93				64	110	20
	3-Nitroaniline	50	28.3	ug/L	57				28	100	20
	Acenaphthene	50	48.3	ug/L	97				59	113	20
	Total PAH	800	751.9	ug/L	94				59	113	20
	2,4-Dinitrophenol	100	100	ug/L	100				64	132	20
	4-Nitrophenol	100	91.1	ug/L	91				68	116	20
	Dibenzofuran	50	43.5	ug/L	87				65	106	20
	2,4-Dinitrotoluene	50	50.2	ug/L	100				60	115	20
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	96.9	ug/L	97				60	115	20
	Diethylphthalate	50	42.1	ug/L	84				63	105	20
	4-Chlorophenyl-phenylether	50	43.6	ug/L	87				61	104	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160534BSD	Fluorene	50	43.9	ug/L	88				64	107	20
	4-Nitroaniline	50	44	ug/L	88				69	112	20
	4,6-Dinitro-2-methylphenol	50	52.1	ug/L	104				62	132	20
	N-Nitrosodiphenylamine	50	42.3	ug/L	85				61	109	20
	Azobenzene	50	41.7	ug/L	83				59	106	20
	4-Bromophenyl-phenylether	50	43.2	ug/L	86				73	103	20
	Hexachlorobenzene	50	46.7	ug/L	93				73	106	20
	Atrazine	50	38	ug/L	76				76	120	20
	Pentachlorophenol	100	81.5	ug/L	82				47	114	20
	Phenanthrene	50	42.5	ug/L	85				62	109	20
	Anthracene	50	42	ug/L	84				65	110	20
	Carbazole	50	42.7	ug/L	85				62	106	20
	Di-n-butylphthalate	50	41.2	ug/L	82				64	106	20
	Fluoranthene	50	42.1	ug/L	84				64	110	20
	Benzidine	100	15.6	ug/L	16				10	94	20
	Pyrene	50	45.8	ug/L	92				71	103	20
	Butylbenzylphthalate	50	47.8	ug/L	96				61	105	20
	3,3-Dichlorobenzidine	50	31.1	ug/L	62				43	108	20
	Benzo(a)anthracene	50	43.8	ug/L	88				62	107	20
	Chrysene	50	43.5	ug/L	87				61	108	20
	bis(2-Ethylhexyl)phthalate	50	43	ug/L	86				59	110	20
	Di-n-octyl phthalate	50	40.7	ug/L	81				67	126	20
	Benzo(b)fluoranthene	50	47.9	ug/L	96				77	113	20
	Benzo(k)fluoranthene	50	47.5	ug/L	95				64	113	20
	Benzo(a)pyrene	50	45.5	ug/L	91				72	131	20
	Indeno(1,2,3-cd)pyrene	50	56.8	ug/L	114		*		72	105	20
	Dibenz(a,h)anthracene	50	56.7	ug/L	113				78	115	20
	Benzo(g,h,i)perylene	50	57.2	ug/L	114				75	118	20
	1,2,4,5-Tetrachlorobenzene	50	45.3	ug/L	91				72	101	20
	1,4-Dioxane	50	34.8	ug/L	70				38	125	20
	2,3,4,6-Tetrachlorophenol	50	46.4	ug/L	93				63	116	20
	1-Methylnaphthalene	50	41.7	ug/L	83				51	114	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6478

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

Lab File ID: BF137733.D Lab Sample ID: SP6478

Instrument ID: BNA_F Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 04/26/2024

Level: (low/med) LOW Time Analyzed: 13:54

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6478	SP6478	BF137733.D	04/26/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160276BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

Lab File ID: BF137731.D Lab Sample ID: PB160276BL

Instrument ID: BNA_F Date Extracted: 04/15/2024

Matrix: (soil/water) Water Date Analyzed: 04/26/2024

Level: (low/med) LOW Time Analyzed: 12:18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160534BS

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

Lab File ID: BF137732.D Lab Sample ID: PB160534BS

Instrument ID: BNA_F Date Extracted: 04/25/2024

Matrix: (soil/water) Water Date Analyzed: 04/26/2024

Level: (low/med) LOW Time Analyzed: 13:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160534BS	PB160534BS	BF137732.D	04/26/2024
PB160534BSD	PB160534BSD	BF137734.D	04/26/2024
B-131-GW-01	P2218-01	BF137735.D	04/26/2024
B-131-GW-02	P2218-02	BF137736.D	04/26/2024
B-101-GW01	P2266-01	BF137737.D	04/26/2024
EB-042324	P2266-02	BF137738.D	04/26/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RT-3860

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF042624 SAS No.: BF042624 SDG NO.: BF042624

Lab File ID: BF137739.D Lab Sample ID: P2271-01

Instrument ID: BNA_F Date Extracted: 04/26/2024

Matrix: (soil/water) Solid Date Analyzed: 04/26/2024

Level: (low/med) LOW Time Analyzed: 17:21

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT-3860	P2271-01	BF137739.D	04/26/2024
RT-3860MS	P2271-01MS	BF137740.D	04/26/2024
RT-3860MSD	P2271-01MSD	BF137741.D	04/26/2024
VNJ-240	P2270-03	BF137742.D	04/26/2024
72-11936	P2270-01	BF137743.D	04/26/2024
VNJ-209	P2274-02	BF137744.D	04/26/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2271-01MS		**Client Sample ID: RT-3860MS**						**DataFile: BF137740.D**			
n-Nitrosodimethylamine	1100		870	ug/Kg	79				66	124	
Pyridine	1100		710	ug/Kg	65				45	119	
Benzaldehyde	1100		1100	ug/Kg	100				26	163	
Aniline	1100		640	ug/Kg	58				10	88	
Phenol	1100		950	ug/Kg	86				67	126	
bis(2-Chloroethyl)ether	1100		910	ug/Kg	83				74	116	
2-Chlorophenol	1100		970	ug/Kg	88				61	138	
1,2-Dichlorobenzene	1100		990	ug/Kg	90				61	105	
1,3-Dichlorobenzene	1100		950	ug/Kg	86				62	101	
1,4-Dichlorobenzene	1100		960	ug/Kg	87				63	104	
Benzyl Alcohol	1100		890	ug/Kg	81				47	126	
2-Methylphenol	1100		850	ug/Kg	77				66	122	
2,2-oxybis(1-Chloropropane)	1100		880	ug/Kg	80				52	115	
Acetophenone	1100		920	ug/Kg	84				75	111	
3+4-Methylphenols	1100		860	ug/Kg	78				53	132	
N-Nitroso-di-n-propylamine	1100		860	ug/Kg	78				59	119	
Hexachloroethane	1100		970	ug/Kg	88				65	117	
Nitrobenzene	1100		890	ug/Kg	81				70	119	
Isophorone	1100		890	ug/Kg	81				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		740	ug/Kg	67	*			83	144	
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80				68	112	
2,4-Dichlorophenol	1100		940	ug/Kg	85				72	118	
1,2,4-Trichlorobenzene	1100		950	ug/Kg	86				57	103	
Benzoic acid	1100		960	ug/Kg	87				50	104	
Naphthalene	1100		920	ug/Kg	84				72	110	
4-Chloroaniline	1100		300	ug/Kg	27				10	100	
Hexachlorobutadiene	1100		950	ug/Kg	86				66	114	
Caprolactam	1100		930	ug/Kg	85				51	134	
4-Chloro-3-methylphenol	1100		920	ug/Kg	84				57	132	
2-Methylnaphthalene	1100		880	ug/Kg	80				59	123	
Hexachlorocyclopentadiene	2300		2000	ug/Kg	87				10	175	
2,4,6-Trichlorophenol	1100		970	ug/Kg	88				72	117	
2,4,5-Trichlorophenol	1100		880	ug/Kg	80				72	117	
1,1-Biphenyl	1100		950	ug/Kg	86				75	113	
2-Chloronaphthalene	1100		950	ug/Kg	86				67	118	
2-Nitroaniline	1100		940	ug/Kg	85				69	127	
Dimethylphthalate	1100		920	ug/Kg	84				70	113	
Acenaphthylene	1100		960	ug/Kg	87				79	118	
2,6-Dinitrotoluene	1100		960	ug/Kg	87				70	125	
3-Nitroaniline	1100		570	ug/Kg	52				20	111	
Acenaphthene	1100		980	ug/Kg	89				70	121	
Total PAH	17600	0	16090	ug/Kg	91				70	121	
2,4-Dinitrophenol	2300		1800	ug/Kg	78				16	160	
4-Nitrophenol	2300		1500	ug/Kg	65				45	133	
Dibenzofuran	1100		910	ug/Kg	83				72	110	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1960	ug/Kg	89				55	128	
Diethylphthalate	1100		900	ug/Kg	82				70	112	
4-Chlorophenyl-phenylether	1100		920	ug/Kg	84				71	108	
Fluorene	1100		920	ug/Kg	84				68	116	
4-Nitroaniline	1100		850	ug/Kg	77				55	120	
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100				32	145	
N-Nitrosodiphenylamine	1100		950	ug/Kg	86				73	118	
Azobenzene	1100		870	ug/Kg	79				73	110	
4-Bromophenyl-phenylether	1100		980	ug/Kg	89				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2300		1700	ug/Kg	74				47	128	
Phenanthrene	1100	94.8	1000	ug/Kg	82				72	113	
Anthracene	1100		940	ug/Kg	85				62	124	
Carbazole	1100		890	ug/Kg	81				59	119	
Di-n-butylphthalate	1100		920	ug/Kg	84				69	118	
Fluoranthene	1100	170	940	ug/Kg	70				59	125	
Benzidine	2300		1500	ug/Kg	65				10	119	
Pyrene	1100	150	1200	ug/Kg	95				52	128	
Butylbenzylphthalate	1100		1200	ug/Kg	109				64	126	
3,3-Dichlorobenzidine	1100		650	ug/Kg	59				10	164	
Benzo(a)anthracene	1100	0	1000	ug/Kg	91				71	114	
Chrysene	1100	55.5	1000	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	1100	65.1	1200	ug/Kg	103				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100	0	880	ug/Kg	80				67	121	
Benzo(k)fluoranthene	1100		890	ug/Kg	81				74	114	
Benzo(a)pyrene	1100		960	ug/Kg	87				70	142	
Indeno(1,2,3-cd)pyrene	1100		1200	ug/Kg	109				61	125	
Dibenz(a,h)anthracene	1100		1200	ug/Kg	109				67	130	
Benzo(g,h,i)perylene	1100		1100	ug/Kg	100				53	140	
1,2,4,5-Tetrachlorobenzene	1100		960	ug/Kg	87				69	124	
1,4-Dioxane	1100		740	ug/Kg	67				46	112	
2,3,4,6-Tetrachlorophenol	1100		940	ug/Kg	85				56	133	
1-Methylnaphthalene	1100		880	ug/Kg	80				70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2271-01MSD		**Client Sample ID: RT-3860MSD**						**DataFile: BF137741.D**			
n-Nitrosodimethylamine	1100		910	ug/Kg	83		5		66	124	20
Pyridine	1100		750	ug/Kg	68		5		45	119	20
Benzaldehyde	1100		1100	ug/Kg	100		0		26	163	20
Aniline	1100		630	ug/Kg	57		2		10	88	20
Phenol	1100		990	ug/Kg	90		5		67	126	20
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85		2		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		3		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		1		61	105	20
1,3-Dichlorobenzene	1100		990	ug/Kg	90		5		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		4		63	104	20
Benzyl Alcohol	1100		920	ug/Kg	84		4		47	126	20
2-Methylphenol	1100		890	ug/Kg	81		5		66	122	20
2,2-oxybis(1-Chloropropane)	1100		900	ug/Kg	82		2		52	115	20
Acetophenone	1100		950	ug/Kg	86		2		75	111	20
3+4-Methylphenols	1100		900	ug/Kg	82		5		53	132	20
N-Nitroso-di-n-propylamine	1100		870	ug/Kg	79		1		59	119	20
Hexachloroethane	1100		990	ug/Kg	90		2		65	117	20
Nitrobenzene	1100		930	ug/Kg	85		5		70	119	20
Isophorone	1100		920	ug/Kg	84		4		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100		780	ug/Kg	71	*	6		83	144	20
bis(2-Chloroethoxy)methane	1100		910	ug/Kg	83		4		68	112	20
2,4-Dichlorophenol	1100		990	ug/Kg	90		6		72	118	20
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90		5		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		14		50	104	20
Naphthalene	1100		960	ug/Kg	87		4		72	110	20
4-Chloroaniline	1100		280	ug/Kg	25		8		10	100	20
Hexachlorobutadiene	1100		970	ug/Kg	88		2		66	114	20
Caprolactam	1100		1000	ug/Kg	91		7		51	134	20
4-Chloro-3-methylphenol	1100		970	ug/Kg	88		5		57	132	20
2-Methylnaphthalene	1100		920	ug/Kg	84		5		59	123	20
Hexachlorocyclopentadiene	2300		2000	ug/Kg	87		0		10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		3		72	117	20
2,4,5-Trichlorophenol	1100		920	ug/Kg	84		5		72	117	20
1,1-Biphenyl	1100		970	ug/Kg	88		2		75	113	20
2-Chloronaphthalene	1100		990	ug/Kg	90		5		67	118	20
2-Nitroaniline	1100		990	ug/Kg	90		6		69	127	20
Dimethylphthalate	1100		950	ug/Kg	86		2		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		4		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		4		70	125	20
3-Nitroaniline	1100		580	ug/Kg	53		2		20	111	20
Acenaphthene	1100		1000	ug/Kg	91		2		70	121	20
Total PAH	17600	0	16780	ug/Kg	95		4		70	121	20
2,4-Dinitrophenol	2300		2000	ug/Kg	87		11		16	160	20
4-Nitrophenol	2300		1700	ug/Kg	74		13		45	133	20
Dibenzofuran	1100		960	ug/Kg	87		5		72	110	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		9		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		7		55	128	20
Diethylphthalate	1100		940	ug/Kg	85		4		70	112	20
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87		4		71	108	20
Fluorene	1100		960	ug/Kg	87		4		68	116	20
4-Nitroaniline	1100		940	ug/Kg	85		10		55	120	20
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100		0		32	145	20
N-Nitrosodiphenylamine	1100		970	ug/Kg	88		2		73	118	20
Azobenzene	1100		910	ug/Kg	83		5		73	110	20
4-Bromophenyl-phenylether	1100		990	ug/Kg	90		1		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1200	ug/Kg	109		9		79	127	20
Pentachlorophenol	2300		1800	ug/Kg	78		5		47	128	20
Phenanthrene	1100	94.8	1000	ug/Kg	82		0		72	113	20
Anthracene	1100		970	ug/Kg	88		3		62	124	20
Carbazole	1100		950	ug/Kg	86		6		59	119	20
Di-n-butylphthalate	1100		940	ug/Kg	85		1		69	118	20
Fluoranthene	1100	170	1000	ug/Kg	75		7		59	125	20
Benzidine	2300		1700	ug/Kg	74		13		10	119	20
Pyrene	1100	150	1300	ug/Kg	105		10		52	128	20
Butylbenzylphthalate	1100		1300	ug/Kg	118		8		64	126	20
3,3-Dichlorobenzidine	1100		730	ug/Kg	66		11		10	164	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100		9		71	114	20
Chrysene	1100	55.5	1000	ug/Kg	86		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100	65.1	1200	ug/Kg	103		0		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		0		71	126	20
Benzo(b)fluoranthene	1100	0	980	ug/Kg	89		11		67	121	20
Benzo(k)fluoranthene	1100		910	ug/Kg	83		2		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		4		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1300	ug/Kg	118		8		61	125	20
Dibenz(a,h)anthracene	1100		1200	ug/Kg	109		0		67	130	20
Benzo(g,h,i)perylene	1100		1100	ug/Kg	100		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		990	ug/Kg	90		3		69	124	20
1,4-Dioxane	1100		780	ug/Kg	71		6		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		7		56	133	20
1-Methylnaphthalene	1100		910	ug/Kg	83		4		70	130	20

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Surrogate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SP6478	SP6478	BF137733.D	2-Fluorophenol	150	0.00	0	*	10	139
			Phenol-d6	150	0.00	0	*	10	134
			Nitrobenzene-d5	100	0.00	0	*	49	133
			2-Fluorobiphenyl	100	0.00	0	*	52	132
			2,4,6-Tribromophenol	150	0.00	0	*	32	145
			Terphenyl-d14	100	0.00	0	*	36	145

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Surrogate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 625.1

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160276BL	PB160276BL	BF137731.D	2-Fluorophenol	100	85.25	85		60	140
			Phenol-d6	100	82.16	82		60	140
			Nitrobenzene-d5	100	81.33	81		60	140
			2-Fluorobiphenyl	100	79.12	79		60	140
			2,4,6-Tribromophenol	100	90.66	91		60	140
			Terphenyl-d14	100	81.64	82		60	140

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Surrogate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2218-01	B-131-GW-01	BF137735.D	2-Fluorophenol	150	45.66	30		10	139
			Phenol-d6	150	29.42	20		10	134
			Nitrobenzene-d5	100	64.19	64		49	133
			2-Fluorobiphenyl	100	62.75	63		52	132
			2,4,6-Tribromophenol	150	91.57	61		32	145
			Terphenyl-d14	100	79.61	80		36	145
P2218-02	B-131-GW-02	BF137736.D	2-Fluorophenol	150	47.70	32		10	139
			Phenol-d6	150	30.75	20		10	134
			Nitrobenzene-d5	100	63.46	63		49	133
			2-Fluorobiphenyl	100	62.19	62		52	132
			2,4,6-Tribromophenol	150	96.70	64		32	145
			Terphenyl-d14	100	78.89	79		36	145
P2266-01	B-101-GW01	BF137737.D	2-Fluorophenol	150	50.15	33		10	139
			Phenol-d6	150	30.68	20		10	134
			Nitrobenzene-d5	100	75.76	76		49	133
			2-Fluorobiphenyl	100	74.28	74		52	132
			2,4,6-Tribromophenol	150	129.80	87		32	145
			Terphenyl-d14	100	103.35	103		36	145
P2266-02	EB-042324	BF137738.D	2-Fluorophenol	150	59.00	39		10	139
			Phenol-d6	150	39.64	26		10	134
			Nitrobenzene-d5	100	71.34	71		49	133
			2-Fluorobiphenyl	100	72.52	73		52	132
			2,4,6-Tribromophenol	150	114.58	76		32	145
			Terphenyl-d14	100	101.56	102		36	145
PB160534BS	PB160534BS	BF137732.D	2-Fluorophenol	150	119.30	80		10	139
			Phenol-d6	150	117.93	79		10	134
			Nitrobenzene-d5	100	81.04	81		49	133
			2-Fluorobiphenyl	100	80.65	81		52	132
			2,4,6-Tribromophenol	150	133.41	89		32	145
			Terphenyl-d14	100	82.17	82		36	145
PB160534BSD	PB160534BSD	BF137734.D	2-Fluorophenol	150	118.49	79		10	139
			Phenol-d6	150	117.47	78		10	134
			Nitrobenzene-d5	100	81.06	81		49	133
			2-Fluorobiphenyl	100	80.17	80		52	132
			2,4,6-Tribromophenol	150	133.37	89		32	145
			Terphenyl-d14	100	86.77	87		36	145

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Surrogate Summary

SW-846

SDG No.: BF042624

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2270-01	72-11936	BF137743.D	2-Fluorophenol	150	86.45	58		18	112
			Phenol-d6	150	85.61	57		15	107
			Nitrobenzene-d5	100	59.69	60		18	107
			2-Fluorobiphenyl	100	60.10	60		20	109
			2,4,6-Tribromophenol	150	83.31	56		10	110
			Terphenyl-d14	100	61.39	61		14	112
P2270-03	VNJ-240	BF137742.D	2-Fluorophenol	150	69.67	46		18	112
			Phenol-d6	150	69.61	46		15	107
			Nitrobenzene-d5	100	47.73	48		18	107
			2-Fluorobiphenyl	100	45.21	45		20	109
			2,4,6-Tribromophenol	150	68.78	46		10	110
			Terphenyl-d14	100	53.02	53		14	112
P2271-01	RT-3860	BF137739.D	2-Fluorophenol	150	97.78	65		18	112
			Phenol-d6	150	97.52	65		15	107
			Nitrobenzene-d5	100	67.43	67		18	107
			2-Fluorobiphenyl	100	65.65	66		20	109
			2,4,6-Tribromophenol	150	104.94	70		10	110
			Terphenyl-d14	100	83.30	83		14	112
P2271-01MS	RT-3860MS	BF137740.D	2-Fluorophenol	150	100.18	67		18	112
			Phenol-d6	150	99.01	66		15	107
			Nitrobenzene-d5	100	67.21	67		18	107
			2-Fluorobiphenyl	100	65.66	66		20	109
			2,4,6-Tribromophenol	150	105.95	71		10	110
			Terphenyl-d14	100	83.65	84		14	112
P2271-01MSD	RT-3860MSD	BF137741.D	2-Fluorophenol	150	102.79	69		18	112
			Phenol-d6	150	103.22	69		15	107
			Nitrobenzene-d5	100	70.86	71		18	107
			2-Fluorobiphenyl	100	67.16	67		20	109
			2,4,6-Tribromophenol	150	113.31	76		10	110
			Terphenyl-d14	100	87.58	88		14	112
P2274-02	VNJ-209	BF137744.D	2-Fluorophenol	150	72.61	48		18	112
			Phenol-d6	150	72.09	48		15	107
			Nitrobenzene-d5	100	47.58	48		18	107
			2-Fluorobiphenyl	100	51.68	52		20	109
			2,4,6-Tribromophenol	150	60.52	40		10	110
			Terphenyl-d14	100	44.59	45		14	112

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BF042624

Lab Code: CHEM SAS No.: BF042624 SDG NO.: BF042624

Lab File ID: BF137729.D DFTPP Injection Date: 04/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.3
443	15.0 - 24.0% of mass 442	15.7 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF137730.D	04/26/2024	11:47
PB160276BL	PB160276BL	BF137731.D	04/26/2024	12:18
PB160534BS	PB160534BS	BF137732.D	04/26/2024	13:23
SP6478	SP6478	BF137733.D	04/26/2024	13:54
PB160534BSD	PB160534BSD	BF137734.D	04/26/2024	14:25
B-131-GW-01	P2218-01	BF137735.D	04/26/2024	15:16
B-131-GW-02	P2218-02	BF137736.D	04/26/2024	15:47
B-101-GW01	P2266-01	BF137737.D	04/26/2024	16:18
EB-042324	P2266-02	BF137738.D	04/26/2024	16:49
RT-3860	P2271-01	BF137739.D	04/26/2024	17:21
RT-3860MS	P2271-01MS	BF137740.D	04/26/2024	17:53
RT-3860MSD	P2271-01MSD	BF137741.D	04/26/2024	18:25
VNJ-240	P2270-03	BF137742.D	04/26/2024	18:57
72-11936	P2270-01	BF137743.D	04/26/2024	19:29
VNJ-209	P2274-02	BF137744.D	04/26/2024	20:01