

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064357.D
 Acq On : 12 Sep 2025 13:21
 Operator : RC/JU
 Sample : Q2899-03
 Misc : MDL-SOIL 4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2025-05

Quant Time: Sep 12 13:57:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 11:06:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	18759	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	85493	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	70551	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	184469	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	199248	20.000	ng/u1	0.00
88) Perylene-d12	24.434	264	213713	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.306	96	1514	4.240	ng/uL	-0.01
4) Pyridine-d5	3.717	84	17208	16.517	ng/u1	0.00
7) Phenol-d5	7.013	99	22277	14.528	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.178	67	12273	15.338	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	18737	15.279	ng/u1	0.00
15) 4-Methylphenol-d8	8.547	113	20911	14.989	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	9714	14.480	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	12386	15.137	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.256	165	21461	14.105	ng/u1	0.00
31) 4-Chloroaniline-d4	10.762	131	28707	13.956	ng/u1	0.00
46) Dimethylphthalate-d6	13.876	166	96599	15.363	ng/u1	0.00
49) Acenaphthylene-d8	14.158	160	90160	14.841	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	12526	12.714	ng/u1	0.00
60) Fluorene-d10	15.462	176	77821	15.255	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	16998	12.918	ng/u1	0.00
73) Anthracene-d10	17.307	188	131864	14.330	ng/u1	0.00
81) Pyrene-d10	19.592	212	166864	14.868	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.234	264	171535	15.573	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.341	88	752m	1.883	ng/uL	
5) Pyridine	3.740	79	4955	4.510	ng/u1#	74
6) Benzaldehyde	6.990	77	4220	5.918	ng/u1#	87
8) Phenol	7.042	94	6416	4.085	ng/u1#	87
10) Bis(2-Chloroethyl)ether	7.272	93	4808	4.433	ng/u1#	83
12) 2-Chlorophenol	7.407	128	5397	4.233	ng/u1#	86
13) 2-Methylphenol	8.282	108	5227	4.011	ng/u1#	79
14) 2,2'-oxybis(1-Chloropr...	8.382	45	8626m	4.272	ng/u1	
16) Acetophenone	8.658	105	9585	4.322	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.641	70	4659	4.466	ng/u1	97
18) 4-Methylphenol	8.611	108	5167	3.687	ng/u1	98
19) Hexachloroethane	8.923	117	2576	4.583	ng/u1	83
22) Nitrobenzene	9.034	77	7190	4.315	ng/u1#	85
23) Isophorone	9.563	82	14381	4.488	ng/u1	99
25) 2-Nitrophenol	9.751	139	3558	4.535	ng/u1	93
26) 2,4-Dimethylphenol	9.810	107	6280	3.610	ng/u1#	72
27) Bis(2-Chloroethoxy)met...	10.045	93	6869	4.234	ng/u1#	93
29) 2,4-Dichlorophenol	10.280	162	4825	3.476	ng/u1	96
30) Naphthalene	10.685	128	20640	4.435	ng/u1#	96
32) 4-Chloroaniline	10.791	127	8604	4.244	ng/u1#	85
33) Hexachlorobutadiene	10.979	225	5484	4.397	ng/u1	93
34) Caprolactam	11.537	113	2668m	4.739	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	7302m	4.251	ng/u1	
36) 2-Methylnaphthalene	12.289	142	15273	4.311	ng/u1	85

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064357.D
 Acq On : 12 Sep 2025 13:21
 Operator : RC/JU
 Sample : Q2899-03
 Misc : MDL-SOIL 4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2025-05

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Quant Time: Sep 12 13:57:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 11:06:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	15738	4.470	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.659	216	9558	4.275	ng/ul#	88
40) Hexachlorocyclopentadiene	12.636	237	6349	4.123	ng/ul#	81
41) 2,4,6-Trichlorophenol	12.900	196	5460m	3.812	ng/ul	
42) 2,4,5-Trichlorophenol	12.983	196	6787m	4.430	ng/ul	
43) 1,1'-Biphenyl	13.306	154	21301	4.089	ng/ul#	94
44) 2-Chloronaphthalene	13.341	162	15277	3.997	ng/ul#	90
45) 2-Nitroaniline	13.547	65	5270	3.840	ng/ul#	91
47) Dimethylphthalate	13.923	163	26302	4.502	ng/ul#	97
48) 2,6-Dinitrotoluene	14.040	165	4936	4.416	ng/ul#	86
50) Acenaphthylene	14.187	152	28241	4.321	ng/ul	99
51) 3-Nitroaniline	14.369	138	3991	4.186	ng/ul#	84
52) Acenaphthene	14.534	153	18742	4.223	ng/ul#	88
53) 2,4-Dinitrophenol	14.575	184	3994m	5.306	ng/ul	
55) 4-Nitrophenol	14.686	109	6707	5.138	ng/ul	97
56) Dibenzofuran	14.869	168	27862	4.239	ng/ul	92
57) 2,4-Dinitrotoluene	14.827	165	7026	3.899	ng/ul#	72
58) 2,3,4,6-Tetrachlorophenol	15.098	232	5891	3.655	ng/ul#	86
59) Diethylphthalate	15.286	149	28519	4.458	ng/ul#	90
61) Fluorene	15.515	166	24256	4.352	ng/ul#	94
62) 4-Chlorophenyl-phenyle...	15.515	204	13117	4.463	ng/ul	94
63) 4-Nitroaniline	15.527	138	3947	4.030	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.585	198	4928	3.685	ng/ul#	94
67) N-Nitrosodiphenylamine	15.721	169	20784	4.128	ng/ul	94
68) 4-Bromophenyl-phenylether	16.402	248	9507	4.393	ng/ul	98
69) Hexachlorobenzene	16.520	284	11086	4.544	ng/ul	96
70) Atrazine	16.672	200	11445	4.610	ng/ul	96
71) Pentachlorophenol	16.866	266	6645	4.249	ng/ul	87
72) Phenanthrene	17.248	178	42889	4.278	ng/ul	96
74) Anthracene	17.342	178	42301	4.145	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.270	216	9658	3.864	ng/ul	94
76) Pentachlorobenzene	14.786	250	10660	3.898	ng/ul	88
77) Carbazole	17.612	167	34650	3.910	ng/ul	97
78) Di-n-butylphthalate	18.176	149	46048	4.186	ng/ul#	96
80) Fluoranthene	19.258	202	53300	4.199	ng/ul	99
82) Pyrene	19.622	202	55771	4.266	ng/ul	98
83) Butylbenzylphthalate	20.521	149	20992	4.106	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.343	252	17824	4.260	ng/ul	98
85) Benzo(a)anthracene	21.414	228	56585	4.235	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.343	149	31006	4.228	ng/ul#	99
87) Chrysene	21.478	228	53196	4.231	ng/ul	95
89) Di-n-octyl phthalate	22.477	149	52127	4.284	ng/ul	100
90) Benzo(b)fluoranthene	23.488	252	55838m	4.344	ng/ul	
91) Benzo(k)fluoranthene	23.552	252	57291	4.480	ng/ul	96
93) Benzo(a)pyrene	24.293	252	52544	4.401	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.806	276	68391m	4.430	ng/ul	
95) Dibenzo(a,h)anthracene	27.859	278	54616	4.391	ng/ul#	93
96) Benzo(g,h,i)perylene	28.852	276	54171m	4.299	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

