

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064358.D
 Acq On : 12 Sep 2025 14:02
 Operator : RC/JU
 Sample : Q2899-05
 Misc : MDL-ME-SOIL 4 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 12 15:48:39 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	7.841	152	21728	20.000	ng/u1	0.00
20) Naphthalene-d8	10.631	136	92758	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.468	164	70177	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.212	188	182192	20.000	ng/u1	0.00
79) Chrysene-d12	21.436	240	204386	20.000	ng/u1	0.00
88) Perylene-d12	24.433	264	216101	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	1738m	4.202	ng/uL	0.00
4) Pyridine-d5	3.722	84	16401	13.591	ng/u1	0.00
7) Phenol-d5	7.012	99	25371	14.285	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.177	67	13738	14.823	ng/u1	0.00
11) 2-Chlorophenol-d4	7.376	132	21590	15.200	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	21945	13.581	ng/u1	0.00
21) Nitrobenzene-d5	8.992	128	11492	15.789	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	12523	14.105	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.255	165	22251	13.478	ng/u1	0.00
31) 4-Chloroaniline-d4	10.767	131	31001	13.891	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	97821	15.641	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	92296	15.273	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	12827	13.089	ng/u1	0.00
60) Fluorene-d10	15.461	176	77306	15.235	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	17037	13.110	ng/u1	0.00
73) Anthracene-d10	17.306	188	133533	14.693	ng/u1	0.00
81) Pyrene-d10	19.592	212	172185	14.957	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.227	264	174333	15.652	ng/u1	-0.01
Target Compounds						
				Qvalue		
2) 1,4-Dioxane	3.352	88	879m	1.901	ng/uL	
5) Pyridine	3.745	79	5083	3.995	ng/u1#	81
6) Benzaldehyde	6.983	77	4754	5.756	ng/u1	98
8) Phenol	7.042	94	6643	3.652	ng/u1#	83
10) Bis(2-Chloroethyl)ether	7.271	93	5349	4.258	ng/u1#	81
12) 2-Chlorophenol	7.412	128	6240	4.226	ng/u1#	87
13) 2-Methylphenol	8.281	108	5645	3.740	ng/u1#	67
14) 2,2'-oxybis(1-Chloropr...	8.369	45	9550	4.083	ng/u1#	83
16) Acetophenone	8.663	105	10327	4.020	ng/u1#	86
17) N-Nitroso-di-n-propyla...	8.646	70	5087	4.210	ng/u1#	98
18) 4-Methylphenol	8.610	108	6736	4.150	ng/u1	96
19) Hexachloroethane	8.928	117	2524	3.877	ng/u1	90
22) Nitrobenzene	9.033	77	7820	4.325	ng/u1#	86
23) Isophorone	9.562	82	15394	4.428	ng/u1	95
25) 2-Nitrophenol	9.744	139	3755	4.412	ng/u1#	67
26) 2,4-Dimethylphenol	9.815	107	6300	3.338	ng/u1#	85
27) Bis(2-Chloroethoxy)met...	10.038	93	7730	4.391	ng/u1	95
29) 2,4-Dichlorophenol	10.285	162	5807	3.855	ng/u1#	81
30) Naphthalene	10.678	128	21933	4.343	ng/u1#	91
32) 4-Chloroaniline	10.784	127	8721	3.965	ng/u1	92
33) Hexachlorobutadiene	10.972	225	6658	4.920	ng/u1	100
34) Caprolactam	11.548	113	3059	5.008	ng/u1	88
35) 4-Chloro-3-methylphenol	11.912	107	7192	3.859	ng/u1	96
36) 2-Methylnaphthalene	12.288	142	16301	4.240	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	16344	4.278	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	12.658	216	9012	4.052	ng/ul#	88
40) Hexachlorocyclopentadiene	12.641	237	6783	4.428	ng/ul#	91
41) 2,4,6-Trichlorophenol	12.905	196	5599	3.930	ng/ul#	97
42) 2,4,5-Trichlorophenol	12.976	196	6449m	4.231	ng/ul	
43) 1,1'-Biphenyl	13.299	154	22031	4.252	ng/ul	99
44) 2-Chloronaphthalene	13.346	162	16586	4.363	ng/ul#	94
45) 2-Nitroaniline	13.540	65	5350	3.919	ng/ul#	85
47) Dimethylphthalate	13.922	163	26017	4.477	ng/ul#	92
48) 2,6-Dinitrotoluene	14.039	165	4824	4.339	ng/ul#	89
50) Acenaphthylene	14.186	152	28994	4.460	ng/ul	96
51) 3-Nitroaniline	14.368	138	4307	4.541	ng/ul	93
52) Acenaphthene	14.533	153	19777	4.480	ng/ul	91
53) 2,4-Dinitrophenol	14.586	184	3866	5.163	ng/ul	86
55) 4-Nitrophenol	14.680	109	7144	5.502	ng/ul	92
56) Dibenzofuran	14.868	168	29035	4.441	ng/ul	87
57) 2,4-Dinitrotoluene	14.832	165	8536	4.762	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.103	232	6412	3.999	ng/ul#	92
59) Diethylphthalate	15.291	149	28303	4.448	ng/ul	98
61) Fluorene	15.514	166	24612	4.440	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.514	204	13758	4.707	ng/ul#	92
63) 4-Nitroaniline	15.532	138	4317	4.431	ng/ul#	92
66) 4,6-Dinitro-2-methylph...	15.596	198	5364	4.061	ng/ul#	87
67) N-Nitrosodiphenylamine	15.725	169	21358	4.295	ng/ul	96
68) 4-Bromophenyl-phenylether	16.401	248	9028	4.223	ng/ul	96
69) Hexachlorobenzene	16.519	284	10473	4.347	ng/ul#	82
70) Atrazine	16.671	200	12368	5.044	ng/ul#	87
71) Pentachlorophenol	16.865	266	6612	4.281	ng/ul	87
72) Phenanthrene	17.253	178	41524	4.193	ng/ul	97
74) Anthracene	17.341	178	42498	4.216	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.264	216	10289	4.168	ng/ul#	82
76) Pentachlorobenzene	14.791	250	11195	4.145	ng/ul#	85
77) Carbazole	17.611	167	36584	4.180	ng/ul	97
78) Di-n-butylphthalate	18.176	149	47021	4.327	ng/ul	99
80) Fluoranthene	19.262	202	54512	4.187	ng/ul#	93
82) Pyrene	19.621	202	58160	4.337	ng/ul	99
83) Butylbenzylphthalate	20.520	149	21183	4.040	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.342	252	18139	4.226	ng/ul	94
85) Benzo(a)anthracene	21.413	228	60439	4.410	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.342	149	31541	4.193	ng/ul	95
87) Chrysene	21.478	228	54764m	4.246	ng/ul	
89) Di-n-octyl phthalate	22.476	149	54882	4.461	ng/ul	100
90) Benzo(b)fluoranthene	23.487	252	57861	4.452	ng/ul	95
91) Benzo(k)fluoranthene	23.546	252	57601	4.454	ng/ul	95
93) Benzo(a)pyrene	24.292	252	53640	4.443	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.800	276	63204	4.049	ng/ul	94
95) Dibenzo(a,h)anthracene	27.858	278	53836	4.281	ng/ul#	90
96) Benzo(g,h,i)perylene	28.851	276	55463m	4.353	ng/ul	

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

