

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064373.D
 Acq On : 15 Sep 2025 13:38
 Operator : RC/JU
 Sample : Q2899-06
 Misc : MDL-ME-SOIL-Q3
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 15 15:35:49 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 09/16/2025
 Supervised By :Jagrut Upadhyay 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.843	152	22328	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	99070	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.470	164	78283	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.208	188	199360m	20.000	ng/u1	0.00
79) Chrysene-d12	21.439	240	217891	20.000	ng/u1	0.00
88) Perylene-d12	24.435	264	234692	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.307	96	1546	3.637	ng/uL	-0.01
4) Pyridine-d5	3.718	84	18998	15.320	ng/u1	0.00
7) Phenol-d5	7.008	99	26452	14.494	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.173	67	14464	15.187	ng/u1	0.00
11) 2-Chlorophenol-d4	7.373	132	21513	14.738	ng/u1	0.00
15) 4-Methylphenol-d8	8.542	113	22406	13.493	ng/u1	0.00
21) Nitrobenzene-d5	8.989	128	11776	15.148	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.711	143	13635	14.379	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.252	165	25517	14.472	ng/u1	0.00
31) 4-Chloroaniline-d4	10.757	131	33195	13.926	ng/u1	0.00
46) Dimethylphthalate-d6	13.877	166	103417	14.823	ng/u1	0.00
49) Acenaphthylene-d8	14.159	160	99209	14.717	ng/u1	0.00
54) 4-Nitrophenol-d4	14.664	143	14732	13.477	ng/u1	0.00
60) Fluorene-d10	15.457	176	82851	14.637	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.575	200	19166	13.478	ng/u1	0.00
73) Anthracene-d10	17.308	188	145007	14.581	ng/u1	0.00
81) Pyrene-d10	19.594	212	184589	15.040	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.229	264	187887	15.533	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.348	88	704	1.481	ng/uL#	76
5) Pyridine	3.730	79	5295	4.049	ng/u1#	72
6) Benzaldehyde	6.979	77	5073	5.977	ng/u1	96
8) Phenol	7.032	94	7533	4.030	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.261	93	5139	3.981	ng/u1	97
12) 2-Chlorophenol	7.408	128	6548	4.315	ng/u1	96
13) 2-Methylphenol	8.283	108	5432	3.502	ng/u1	83
14) 2,2'-oxybis(1-Chloropr...	8.366	45	10592	4.407	ng/u1#	94
16) Acetophenone	8.654	105	11276	4.271	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.648	70	5179	4.171	ng/u1#	73
18) 4-Methylphenol	8.607	108	6691	4.011	ng/u1#	75
19) Hexachloroethane	8.918	117	2540	3.797	ng/u1#	91
22) Nitrobenzene	9.030	77	7832	4.056	ng/u1	96
23) Isophorone	9.558	82	15188	4.090	ng/u1	98
25) 2-Nitrophenol	9.746	139	3767	4.144	ng/u1#	75
26) 2,4-Dimethylphenol	9.805	107	6353	3.152	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.040	93	8274	4.401	ng/u1#	87
29) 2,4-Dichlorophenol	10.275	162	6682	4.154	ng/u1#	87
30) Naphthalene	10.681	128	22690	4.207	ng/u1#	96
32) 4-Chloroaniline	10.781	127	9670	4.116	ng/u1#	83
33) Hexachlorobutadiene	10.969	225	6464	4.472	ng/u1	88
34) Caprolactam	11.538	113	3271m	5.013	ng/u1	
35) 4-Chloro-3-methylphenol	11.909	107	7150	3.592	ng/u1#	91
36) 2-Methylnaphthalene	12.291	142	17470	4.255	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.508	142	17010	4.169	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.661	216	10330	4.164	ng/ul#	98
40) Hexachlorocyclopentadiene	12.643	237	6350	3.716	ng/ul#	83
41) 2,4,6-Trichlorophenol	12.896	196	5947	3.742	ng/ul#	94
42) 2,4,5-Trichlorophenol	12.978	196	7110	4.182	ng/ul#	86
43) 1,1'-Biphenyl	13.301	154	24458	4.232	ng/ul#	91
44) 2-Chloronaphthalene	13.336	162	17858	4.211	ng/ul	92
45) 2-Nitroaniline	13.542	65	5689	3.736	ng/ul	89
47) Dimethylphthalate	13.924	163	28235	4.356	ng/ul#	96
48) 2,6-Dinitrotoluene	14.041	165	5034	4.059	ng/ul	95
50) Acenaphthylene	14.188	152	32021	4.416	ng/ul	98
51) 3-Nitroaniline	14.365	138	4355	4.117	ng/ul#	96
52) Acenaphthene	14.529	153	21023	4.270	ng/ul	94
53) 2,4-Dinitrophenol	14.582	184	4394	5.261	ng/ul#	64
55) 4-Nitrophenol	14.682	109	7321	5.055	ng/ul	89
56) Dibenzofuran	14.864	168	31301	4.292	ng/ul#	85
57) 2,4-Dinitrotoluene	14.829	165	8173	4.088	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.093	232	7505	4.196	ng/ul#	91
59) Diethylphthalate	15.287	149	29379	4.139	ng/ul#	91
61) Fluorene	15.516	166	27432	4.436	ng/ul#	96
62) 4-Chlorophenyl-phenyle...	15.510	204	14038	4.305	ng/ul	95
63) 4-Nitroaniline	15.534	138	4400	4.049	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.593	198	5549	3.839	ng/ul#	91
67) N-Nitrosodiphenylamine	15.722	169	23746	4.364	ng/ul	93
68) 4-Bromophenyl-phenylether	16.403	248	9582m	4.096	ng/ul	
69) Hexachlorobenzene	16.521	284	12048	4.570	ng/ul#	89
70) Atrazine	16.674	200	12776m	4.762	ng/ul	
71) Pentachlorophenol	16.868	266	6715	3.973	ng/ul	88
72) Phenanthrene	17.249	178	47033m	4.341	ng/ul	
74) Anthracene	17.338	178	46196	4.188	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.266	216	10600	3.924	ng/ul	90
76) Pentachlorobenzene	14.788	250	12638	4.276	ng/ul	95
77) Carbazole	17.614	167	40724	4.252	ng/ul	99
78) Di-n-butylphthalate	18.178	149	49549	4.167	ng/ul	98
80) Fluoranthene	19.259	202	57891	4.170	ng/ul	100
82) Pyrene	19.623	202	62781	4.391	ng/ul	98
83) Butylbenzylphthalate	20.516	149	23795	4.257	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.339	252	19074	4.168	ng/ul	89
85) Benzo(a)anthracene	21.415	228	63713	4.361	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.345	149	34473	4.299	ng/ul	96
87) Chrysene	21.480	228	59721	4.343	ng/ul	99
89) Di-n-octyl phthalate	22.479	149	57958	4.338	ng/ul	100
90) Benzo(b)fluoranthene	23.489	252	57228	4.054	ng/ul#	93
91) Benzo(k)fluoranthene	23.548	252	62016	4.416	ng/ul	96
93) Benzo(a)pyrene	24.294	252	58878	4.490	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	27.796	276	74104m	4.371	ng/ul	
95) Dibenzo(a,h)anthracene	27.855	278	56400	4.129	ng/ul#	95
96) Benzo(g,h,i)perylene	28.842	276	58606	4.235	ng/ul	98

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

