

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064375.D
 Acq On : 15 Sep 2025 14:59
 Operator : RC/JU
 Sample : Q2117-04
 Misc : MDL-SOIL-Q2
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2025-04

Quant Time: Sep 15 15:40:21 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 :Jagrit
 Upadhyay
 09/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	24887	20.000	ng/u1	0.00
20) Naphthalene-d8	10.626	136	104918	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	79908	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	200747	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	230575	20.000	ng/u1	0.00
88) Perylene-d12	24.434	264	242406	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	1517	3.202	ng/uL	0.00
4) Pyridine-d5	3.717	84	19452	14.073	ng/u1	0.00
7) Phenol-d5	7.013	99	28531	14.025	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.172	67	15948	15.023	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	23530	14.463	ng/u1	0.00
15) 4-Methylphenol-d8	8.541	113	24804	13.402	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	12632	15.344	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	14630	14.569	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.250	165	27388	14.667	ng/u1	0.00
31) 4-Chloroaniline-d4	10.767	131	35438	14.039	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	106261	14.921	ng/u1	0.00
49) Acenaphthylene-d8	14.158	160	103597	15.056	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	15659	14.033	ng/u1	0.00
60) Fluorene-d10	15.462	176	87400	15.126	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	17613	12.300	ng/u1	0.00
73) Anthracene-d10	17.307	188	147365	14.716	ng/u1	0.00
81) Pyrene-d10	19.592	212	192841	14.848	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.222	264	198408	15.881	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.353	88	838	1.582	ng/uL#	85
5) Pyridine	3.740	79	5667	3.888	ng/u1#	85
6) Benzaldehyde	6.984	77	5497	5.811	ng/u1#	85
8) Phenol	7.042	94	7824	3.755	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.266	93	5732	3.984	ng/u1#	88
12) 2-Chlorophenol	7.407	128	7080	4.186	ng/u1#	88
13) 2-Methylphenol	8.288	108	6444	3.728	ng/u1	87
14) 2,2'-oxybis(1-Chloropr...	8.364	45	11066m	4.131	ng/u1	
16) Acetophenone	8.658	105	11204	3.808	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.640	70	5404	3.905	ng/u1#	91
18) 4-Methylphenol	8.611	108	7176	3.860	ng/u1#	73
19) Hexachloroethane	8.922	117	3123	4.188	ng/u1	89
22) Nitrobenzene	9.034	77	8680	4.245	ng/u1	97
23) Isophorone	9.557	82	16472	4.189	ng/u1#	97
25) 2-Nitrophenol	9.745	139	4150	4.311	ng/u1#	69
26) 2,4-Dimethylphenol	9.810	107	6163	2.887	ng/u1#	85
27) Bis(2-Chloroethoxy)met...	10.045	93	8472	4.255	ng/u1	91
29) 2,4-Dichlorophenol	10.280	162	7173	4.210	ng/u1	91
30) Naphthalene	10.679	128	25485	4.462	ng/u1	98
32) 4-Chloroaniline	10.785	127	9270	3.726	ng/u1	90
33) Hexachlorobutadiene	10.973	225	6965	4.550	ng/u1	94
34) Caprolactam	11.549	113	2958m	4.281	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	8236	3.907	ng/u1	99
36) 2-Methylnaphthalene	12.289	142	18616	4.281	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	18247	4.223	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.659	216	11349	4.482	ng/ul	95
40) Hexachlorocyclopentadiene	12.642	237	6400	3.670	ng/ul	98
41) 2,4,6-Trichlorophenol	12.900	196	6971	4.297	ng/ul#	94
42) 2,4,5-Trichlorophenol	12.971	196	7320m	4.218	ng/ul	
43) 1,1'-Biphenyl	13.300	154	25159	4.265	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	19017	4.393	ng/ul	94
45) 2-Nitroaniline	13.546	65	5709	3.673	ng/ul	94
47) Dimethylphthalate	13.922	163	27960	4.226	ng/ul	96
48) 2,6-Dinitrotoluene	14.040	165	5367	4.240	ng/ul#	91
50) Acenaphthylene	14.187	152	30574	4.131	ng/ul	94
51) 3-Nitroaniline	14.369	138	3731	3.455	ng/ul#	73
52) Acenaphthene	14.528	153	22207	4.418	ng/ul	86
53) 2,4-Dinitrophenol	14.581	184	4579	5.371	ng/ul	86
55) 4-Nitrophenol	14.680	109	7788	5.268	ng/ul#	87
56) Dibenzofuran	14.868	168	31829	4.276	ng/ul	98
57) 2,4-Dinitrotoluene	14.827	165	7693	3.769	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.098	232	7578	4.151	ng/ul#	87
59) Diethylphthalate	15.286	149	29969	4.137	ng/ul#	92
61) Fluorene	15.515	166	27376	4.337	ng/ul#	96
62) 4-Chlorophenyl-phenyle...	15.509	204	14804	4.448	ng/ul	98
63) 4-Nitroaniline	15.527	138	4817	4.343	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.591	198	5780	3.972	ng/ul#	99
67) N-Nitrosodiphenylamine	15.720	169	23884	4.359	ng/ul	96
68) 4-Bromophenyl-phenylether	16.402	248	10439	4.432	ng/ul	93
69) Hexachlorobenzene	16.519	284	12388	4.666	ng/ul	93
70) Atrazine	16.672	200	13904	5.146	ng/ul	91
71) Pentachlorophenol	16.866	266	7756	4.557	ng/ul#	88
72) Phenanthrene	17.248	178	46446	4.257	ng/ul	99
74) Anthracene	17.342	178	45959	4.138	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.264	216	12306	4.524	ng/ul#	88
76) Pentachlorobenzene	14.786	250	13545	4.552	ng/ul	91
77) Carbazole	17.606	167	40656	4.216	ng/ul	99
78) Di-n-butylphthalate	18.176	149	50679	4.233	ng/ul	99
80) Fluoranthene	19.257	202	59916	4.079	ng/ul	98
82) Pyrene	19.622	202	63367	4.188	ng/ul	97
83) Butylbenzylphthalate	20.515	149	23963	4.051	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.337	252	19402	4.007	ng/ul#	88
85) Benzo(a)anthracene	21.420	228	65862	4.260	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.343	149	35217	4.150	ng/ul#	98
87) Chrysene	21.478	228	62817	4.317	ng/ul	95
89) Di-n-octyl phthalate	22.477	149	59530	4.314	ng/ul	100
90) Benzo(b)fluoranthene	23.488	252	62965m	4.319	ng/ul	
91) Benzo(k)fluoranthene	23.547	252	62424	4.303	ng/ul	97
93) Benzo(a)pyrene	24.293	252	59831	4.418	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.794	276	78069m	4.459	ng/ul	
95) Dibenzo(a,h)anthracene	27.847	278	64162m	4.548	ng/ul	
96) Benzo(g,h,i)perylene	28.840	276	61710m	4.317	ng/ul	

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

