

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064360.D
 Acq On : 12 Sep 2025 15:24
 Operator : RC/JU
 Sample : Q2117-03
 Misc : MDL-SOIL 4 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

Quant Time: Sep 12 16:11:16 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	7.847	152	20370	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	89004	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	71772	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	187323	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	207720	20.000	ng/u1	0.00
88) Perylene-d12	24.439	264	217726	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	1418	3.657	ng/uL	0.00
4) Pyridine-d5	3.717	84	17386	15.368	ng/u1	0.00
7) Phenol-d5	7.013	99	23908	14.359	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.177	67	13308	15.316	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	21348	16.031	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	21265	14.037	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	11114	15.914	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	12325	14.468	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	22663	14.307	ng/u1	0.00
31) 4-Chloroaniline-d4	10.767	131	30974	14.464	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	98234	15.358	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	92104	14.903	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	14544	14.512	ng/u1	0.00
60) Fluorene-d10	15.462	176	79867	15.389	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	17832	13.346	ng/u1	0.00
73) Anthracene-d10	17.306	188	139694	14.950	ng/u1	0.00
81) Pyrene-d10	19.592	212	171381	14.648	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.228	264	174571	15.557	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.352	88	722	1.665	ng/uL#	58
5) Pyridine	3.734	79	5513	4.621	ng/u1#	66
6) Benzaldehyde	6.983	77	4322	5.582	ng/u1	89
8) Phenol	7.036	94	6709	3.934	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.271	93	4412	3.746	ng/u1#	83
12) 2-Chlorophenol	7.412	128	6217	4.491	ng/u1	92
13) 2-Methylphenol	8.282	108	5670	4.007	ng/u1#	80
14) 2,2'-oxybis(1-Chloropr...	8.364	45	9061	4.132	ng/u1#	94
16) Acetophenone	8.658	105	9799	4.069	ng/u1#	89
17) N-Nitroso-di-n-propyla...	8.646	70	4840	4.273	ng/u1#	86
18) 4-Methylphenol	8.605	108	5786m	3.802	ng/u1	
19) Hexachloroethane	8.922	117	2655	4.350	ng/u1	96
22) Nitrobenzene	9.034	77	7182	4.140	ng/u1#	96
23) Isophorone	9.557	82	15328	4.595	ng/u1#	90
25) 2-Nitrophenol	9.751	139	3164	3.874	ng/u1#	89
26) 2,4-Dimethylphenol	9.809	107	6132	3.386	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.044	93	7774	4.603	ng/u1	91
29) 2,4-Dichlorophenol	10.279	162	6485	4.487	ng/u1	97
30) Naphthalene	10.679	128	21830	4.505	ng/u1	95
32) 4-Chloroaniline	10.791	127	8958	4.244	ng/u1#	83
33) Hexachlorobutadiene	10.973	225	5871	4.522	ng/u1	89
34) Caprolactam	11.549	113	3030	5.169	ng/u1#	69
35) 4-Chloro-3-methylphenol	11.913	107	7350	4.111	ng/u1#	90
36) 2-Methylnaphthalene	12.289	142	16394	4.444	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	15514	4.232	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.659	216	9229	4.058	ng/ul#	95
40) Hexachlorocyclopentadiene	12.641	237	5770	3.683	ng/ul	98
41) 2,4,6-Trichlorophenol	12.900	196	6108	4.192	ng/ul#	82
42) 2,4,5-Trichlorophenol	12.982	196	6802m	4.364	ng/ul	
43) 1,1'-Biphenyl	13.299	154	22176	4.185	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	16977	4.366	ng/ul	96
45) 2-Nitroaniline	13.540	65	4925	3.528	ng/ul	98
47) Dimethylphthalate	13.922	163	25308	4.258	ng/ul#	99
48) 2,6-Dinitrotoluene	14.040	165	4633	4.075	ng/ul#	68
50) Acenaphthylene	14.187	152	30072	4.523	ng/ul	96
51) 3-Nitroaniline	14.375	138	4368	4.503	ng/ul	98
52) Acenaphthene	14.533	153	20107	4.454	ng/ul#	91
53) 2,4-Dinitrophenol	14.586	184	4443	5.802	ng/ul#	64
55) 4-Nitrophenol	14.680	109	6973	5.251	ng/ul#	86
56) Dibenzofuran	14.868	168	29766	4.452	ng/ul	92
57) 2,4-Dinitrotoluene	14.827	165	7265	3.963	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.091	232	6475	3.949	ng/ul#	91
59) Diethylphthalate	15.291	149	27781	4.269	ng/ul	96
61) Fluorene	15.514	166	24025	4.237	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.514	204	13228	4.425	ng/ul	95
63) 4-Nitroaniline	15.538	138	4517m	4.534	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.591	198	5844	4.303	ng/ul#	86
67) N-Nitrosodiphenylamine	15.720	169	20852	4.079	ng/ul#	87
68) 4-Bromophenyl-phenylether	16.402	248	8929	4.063	ng/ul#	79
69) Hexachlorobenzene	16.519	284	11178	4.512	ng/ul#	87
70) Atrazine	16.672	200	12333	4.892	ng/ul	90
71) Pentachlorophenol	16.866	266	7566	4.764	ng/ul	97
72) Phenanthrene	17.254	178	44864	4.407	ng/ul	94
74) Anthracene	17.342	178	44201	4.265	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.264	216	9969	3.928	ng/ul	96
76) Pentachlorobenzene	14.786	250	11713	4.218	ng/ul	93
77) Carbazole	17.612	167	38154	4.240	ng/ul#	96
78) Di-n-butylphthalate	18.176	149	45869	4.106	ng/ul#	92
80) Fluoranthene	19.257	202	55971	4.230	ng/ul	98
82) Pyrene	19.621	202	57429	4.213	ng/ul#	97
83) Butylbenzylphthalate	20.514	149	21115	3.962	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.343	252	18137	4.158	ng/ul	87
85) Benzo(a)anthracene	21.413	228	60481	4.342	ng/ul	93
86) Bis(2-ethylhexyl)phtha...	21.343	149	32967	4.312	ng/ul#	98
87) Chrysene	21.478	228	57757	4.406	ng/ul	99
89) Di-n-octyl phthalate	22.477	149	55914	4.511	ng/ul	100
90) Benzo(b)fluoranthene	23.482	252	57175	4.366	ng/ul#	92
91) Benzo(k)fluoranthene	23.546	252	57637	4.424	ng/ul	95
93) Benzo(a)pyrene	24.287	252	52495	4.316	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	27.800	276	68800m	4.375	ng/ul	
95) Dibenzo(a,h)anthracene	27.859	278	55988	4.418	ng/ul	99
96) Benzo(g,h,i)perylene	28.846	276	56552m	4.405	ng/ul	

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

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