

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064372.D
 Acq On : 15 Sep 2025 12:46
 Operator : RC/JU
 Sample : Q2899-04
 Misc : MDL-SOIL-Q3
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 15 13:36:28 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	7.841	152	22990	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	96248	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	75557	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	196273	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	217893	20.000	ng/u1	0.00
88) Perylene-d12	24.433	264	229970	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	1557	3.558	ng/uL	0.00
4) Pyridine-d5	3.717	84	18833	14.750	ng/u1	0.00
7) Phenol-d5	7.013	99	24291	12.926	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.171	67	14206	14.487	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	21779	14.491	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	22034	12.887	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	11443	15.152	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	13260	14.394	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.256	165	23444	13.686	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	31591	13.642	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	102418	15.210	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	98093	15.077	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	13318	12.623	ng/u1	0.00
60) Fluorene-d10	15.462	176	84539	15.474	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	18734	13.381	ng/u1	0.00
73) Anthracene-d10	17.306	188	136229	13.914	ng/u1	0.00
81) Pyrene-d10	19.592	212	181062	14.753	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.228	264	182761	15.420	ng/u1	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.352	88	831m	1.698	ng/uL	
5) Pyridine	3.746	79	5642	4.190	ng/u1#	85
6) Benzaldehyde	6.989	77	5103	5.840	ng/u1	91
8) Phenol	7.036	94	7064	3.670	ng/u1#	84
10) Bis(2-Chloroethyl)ether	7.265	93	5857	4.407	ng/u1#	83
12) 2-Chlorophenol	7.406	128	6265	4.010	ng/u1#	87
13) 2-Methylphenol	8.288	108	6378	3.994	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.364	45	9742	3.937	ng/u1#	89
16) Acetophenone	8.658	105	10207	3.755	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.640	70	5095	3.985	ng/u1#	80
18) 4-Methylphenol	8.611	108	6383	3.716	ng/u1	96
19) Hexachloroethane	8.922	117	2921	4.241	ng/u1#	78
22) Nitrobenzene	9.034	77	7843	4.181	ng/u1#	89
23) Isophorone	9.557	82	15322	4.247	ng/u1	97
25) 2-Nitrophenol	9.745	139	3782	4.282	ng/u1#	85
26) 2,4-Dimethylphenol	9.809	107	6468	3.303	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.044	93	7630	4.177	ng/u1#	90
29) 2,4-Dichlorophenol	10.279	162	6535	4.181	ng/u1	96
30) Naphthalene	10.679	128	22996	4.389	ng/u1#	89
32) 4-Chloroaniline	10.785	127	9224	4.041	ng/u1	91
33) Hexachlorobutadiene	10.973	225	6065	4.319	ng/u1	91
34) Caprolactam	11.554	113	2810m	4.433	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	8706	4.502	ng/u1	95
36) 2-Methylnaphthalene	12.289	142	17750	4.450	ng/u1	96

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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	16143	4.072	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.659	216	10048	4.196	ng/ul#	94
40) Hexachlorocyclopentadiene	12.641	237	6367	3.861	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.894	196	6381	4.160	ng/ul#	65
42) 2,4,5-Trichlorophenol	12.976	196	6791	4.139	ng/ul#	90
43) 1,1'-Biphenyl	13.299	154	23057	4.133	ng/ul	96
44) 2-Chloronaphthalene	13.341	162	17835	4.357	ng/ul	94
45) 2-Nitroaniline	13.540	65	5726	3.896	ng/ul#	79
47) Dimethylphthalate	13.922	163	26754	4.276	ng/ul#	91
48) 2,6-Dinitrotoluene	14.040	165	5172	4.321	ng/ul#	95
50) Acenaphthylene	14.187	152	29429	4.205	ng/ul	97
51) 3-Nitroaniline	14.375	138	4157	4.071	ng/ul#	95
52) Acenaphthene	14.533	153	20492	4.312	ng/ul	85
53) 2,4-Dinitrophenol	14.580	184	4357	5.404	ng/ul	87
55) 4-Nitrophenol	14.680	109	7180	5.136	ng/ul	98
56) Dibenzofuran	14.868	168	30296	4.304	ng/ul#	85
57) 2,4-Dinitrotoluene	14.827	165	8551	4.431	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.097	232	7461	4.322	ng/ul#	93
59) Diethylphthalate	15.291	149	29318	4.280	ng/ul	95
61) Fluorene	15.514	166	25932	4.345	ng/ul	87
62) 4-Chlorophenyl-phenyle...	15.514	204	14463	4.595	ng/ul	94
63) 4-Nitroaniline	15.532	138	4249	4.051	ng/ul#	81
66) 4,6-Dinitro-2-methylph...	15.591	198	4997	3.512	ng/ul#	95
67) N-Nitrosodiphenylamine	15.726	169	22785	4.253	ng/ul	94
68) 4-Bromophenyl-phenylether	16.402	248	9372	4.070	ng/ul#	88
69) Hexachlorobenzene	16.519	284	11066	4.263	ng/ul	97
70) Atrazine	16.672	200	12368	4.682	ng/ul	95
71) Pentachlorophenol	16.866	266	6212	3.733	ng/ul	94
72) Phenanthrene	17.248	178	45130	4.231	ng/ul	94
74) Anthracene	17.342	178	45595	4.199	ng/ul#	94
75) 1,2,3,4-Tetrachloroben...	13.264	216	10809	4.064	ng/ul	94
76) Pentachlorobenzene	14.786	250	12397	4.261	ng/ul	96
77) Carbazole	17.606	167	41241	4.374	ng/ul	98
78) Di-n-butylphthalate	18.176	149	48736	4.163	ng/ul	99
80) Fluoranthene	19.263	202	57916	4.172	ng/ul	98
82) Pyrene	19.621	202	59181	4.139	ng/ul	98
83) Butylbenzylphthalate	20.514	149	22717	4.064	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.343	252	20233	4.422	ng/ul	98
85) Benzo(a)anthracene	21.419	228	63528	4.348	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.343	149	33607	4.191	ng/ul	96
87) Chrysene	21.478	228	60004	4.364	ng/ul	95
89) Di-n-octyl phthalate	22.477	149	55335	4.227	ng/ul	100
90) Benzo(b)fluoranthene	23.482	252	62410m	4.512	ng/ul	
91) Benzo(k)fluoranthene	23.546	252	57679	4.191	ng/ul	98
93) Benzo(a)pyrene	24.292	252	58495	4.553	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.794	276	72809	4.383	ng/ul#	94
95) Dibenzo(a,h)anthracene	27.859	278	57620	4.305	ng/ul	94
96) Benzo(g,h,i)perylene	28.846	276	60906m	4.491	ng/ul	

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

Manual Integrations

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