

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064361.D
 Acq On : 12 Sep 2025 16:05
 Operator : RC/JU
 Sample : Q2117-05
 Misc : MDL-ME-SOIL 4 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Sep 12 17:01:21 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 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	18111	20.000	ng/u1	0.00
20) Naphthalene-d8	10.631	136	79548	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.468	164	66575	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.212	188	172027	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.436	240	209399	20.000	ng/u1	0.00
88) Perylene-d12	24.439	264	217015	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.316	96	1367	3.965	ng/uL	0.00
4) Pyridine-d5	3.716	84	15365	15.275	ng/u1	0.00
7) Phenol-d5	7.012	99	20786	14.041	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.176	67	11952	15.471	ng/u1	0.00
11) 2-Chlorophenol-d4	7.382	132	17493	14.775	ng/u1	0.00
15) 4-Methylphenol-d8	8.545	113	18481	13.721	ng/u1	0.00
21) Nitrobenzene-d5	8.998	128	8690	13.922	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	11461	15.053	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.249	165	21465	15.161	ng/u1	0.00
31) 4-Chloroaniline-d4	10.760	131	27968	14.613	ng/u1	0.00
46) Dimethylphthalate-d6	13.874	166	89625	15.105	ng/u1	0.00
49) Acenaphthylene-d8	14.162	160	84527	14.745	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	13016	14.001	ng/u1	0.00
60) Fluorene-d10	15.461	176	73530	15.274	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.572	200	16847	13.729	ng/u1	0.00
73) Anthracene-d10	17.306	188	125215	14.592	ng/u1	0.00
81) Pyrene-d10	19.591	212	168520	14.288	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.227	264	174611	15.611	ng/u1	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.346	88	707m	1.834	ng/uL	
5) Pyridine	3.739	79	4664	4.397	ng/u1#	90
6) Benzaldehyde	6.988	77	3981	5.783	ng/u1#	78
8) Phenol	7.035	94	5767	3.803	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.265	93	4452	4.252	ng/u1	94
12) 2-Chlorophenol	7.406	128	5520	4.485	ng/u1	95
13) 2-Methylphenol	8.287	108	4571	3.633	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.381	45	8980m	4.606	ng/u1	
16) Acetophenone	8.657	105	8949	4.179	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.639	70	4192	4.162	ng/u1#	95
18) 4-Methylphenol	8.616	108	5258	3.886	ng/u1	90
19) Hexachloroethane	8.916	117	2394	4.412	ng/u1	89
22) Nitrobenzene	9.033	77	6153	3.969	ng/u1#	91
23) Isophorone	9.556	82	13419	4.501	ng/u1#	88
25) 2-Nitrophenol	9.750	139	3526	4.831	ng/u1	89
26) 2,4-Dimethylphenol	9.809	107	5043	3.116	ng/u1#	86
27) Bis(2-Chloroethoxy)met...	10.038	93	6718	4.450	ng/u1#	95
29) 2,4-Dichlorophenol	10.285	162	5506	4.263	ng/u1#	85
30) Naphthalene	10.684	128	19217	4.438	ng/u1	97
32) 4-Chloroaniline	10.784	127	7663	4.062	ng/u1#	88
33) Hexachlorobutadiene	10.972	225	5084	4.381	ng/u1#	85
34) Caprolactam	11.536	113	2709m	5.171	ng/u1	
35) 4-Chloro-3-methylphenol	11.918	107	7041	4.406	ng/u1#	83
36) 2-Methylnaphthalene	12.294	142	14393	4.366	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.505	142	13553	4.137	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	12.664	216	8380	3.972	ng/ul#	84
40) Hexachlorocyclopentadiene	12.646	237	5939	4.087	ng/ul#	77
41) 2,4,6-Trichlorophenol	12.905	196	5097	3.771	ng/ul	96
42) 2,4,5-Trichlorophenol	12.976	196	5664m	3.917	ng/ul	
43) 1,1'-Biphenyl	13.305	154	20836	4.239	ng/ul#	91
44) 2-Chloronaphthalene	13.346	162	14346	3.978	ng/ul#	89
45) 2-Nitroaniline	13.545	65	4546	3.510	ng/ul#	83
47) Dimethylphthalate	13.921	163	23105	4.191	ng/ul#	91
48) 2,6-Dinitrotoluene	14.033	165	4684	4.441	ng/ul#	90
50) Acenaphthylene	14.186	152	27089	4.393	ng/ul#	95
51) 3-Nitroaniline	14.368	138	3337	3.709	ng/ul	98
52) Acenaphthene	14.533	153	18877	4.508	ng/ul#	94
53) 2,4-Dinitrophenol	14.579	184	3467	4.881	ng/ul	94
55) 4-Nitrophenol	14.679	109	6474	5.256	ng/ul	94
56) Dibenzofuran	14.867	168	25523	4.115	ng/ul	87
57) 2,4-Dinitrotoluene	14.832	165	7041	4.141	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.097	232	5660	3.721	ng/ul#	91
59) Diethylphthalate	15.290	149	26957	4.466	ng/ul#	91
61) Fluorene	15.514	166	23248	4.420	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.508	204	11438	4.125	ng/ul	93
63) 4-Nitroaniline	15.531	138	3808	4.120	ng/ul#	57
66) 4,6-Dinitro-2-methylph...	15.584	198	5453	4.373	ng/ul#	87
67) N-Nitrosodiphenylamine	15.719	169	19865	4.231	ng/ul	98
68) 4-Bromophenyl-phenylether	16.401	248	8164	4.045	ng/ul	86
69) Hexachlorobenzene	16.518	284	9876	4.341	ng/ul	94
70) Atrazine	16.671	200	12216	5.276	ng/ul#	88
71) Pentachlorophenol	16.865	266	6315	4.330	ng/ul	90
72) Phenanthrene	17.247	178	40441m	4.325	ng/ul	
74) Anthracene	17.341	178	40799	4.287	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.263	216	9660	4.144	ng/ul#	78
76) Pentachlorobenzene	14.791	250	10586	4.151	ng/ul	98
77) Carbazole	17.611	167	35993	4.355	ng/ul#	96
78) Di-n-butylphthalate	18.175	149	46805	4.562	ng/ul	98
80) Fluoranthene	19.256	202	51746	3.879	ng/ul	99
82) Pyrene	19.621	202	54711	3.982	ng/ul	98
83) Butylbenzylphthalate	20.520	149	21416	3.986	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.336	252	17921	4.075	ng/ul	96
85) Benzo(a)anthracene	21.419	228	60319	4.296	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.342	149	33198	4.307	ng/ul	97
87) Chrysene	21.477	228	56293	4.260	ng/ul	96
89) Di-n-octyl phthalate	22.476	149	54715	4.429	ng/ul	100
90) Benzo(b)fluoranthene	23.481	252	58119m	4.453	ng/ul	
91) Benzo(k)fluoranthene	23.545	252	58340	4.492	ng/ul	97
93) Benzo(a)pyrene	24.286	252	54476	4.493	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.799	276	70995	4.529	ng/ul	96
95) Dibenzo(a,h)anthracene	27.858	278	57195	4.528	ng/ul	94
96) Benzo(g,h,i)perylene	28.851	276	55757	4.357	ng/ul#	92

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

