

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070225\
 Data File : BP025066.D
 Acq On : 02 Jul 2025 12:57
 Operator : RC/JU
 Sample : Q2117-06
 Misc : MDL-MED-SOIL-4 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Jul 02 13:17:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP063025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 11:17:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	371531	20.000	ng/u1	0.00
20) Naphthalene-d8	10.190	136	1510336	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.095	164	999862	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.901	188	2081219	20.000	ng/u1	-0.01
79) Chrysene-d12	21.342	240	2209285	20.000	ng/u1	0.00
88) Perylene-d12	24.489	264	2322426	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	33626	4.051	ng/uL	0.00
4) Pyridine-d5	3.472	84	364532	15.512	ng/u1	0.00
7) Phenol-d5	6.625	99	438536	15.333	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.796	67	271479	16.489	ng/u1	0.00
11) 2-Chlorophenol-d4	6.984	132	373818	16.152	ng/u1	0.00
15) 4-Methylphenol-d8	8.131	113	355187	15.332	ng/u1	0.00
21) Nitrobenzene-d5	8.566	128	160773	15.857	ng/u1	0.00
24) 2-Nitrophenol-d4	9.278	143	133493	15.105	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.813	165	341036	15.186	ng/u1	0.00
31) 4-Chloroaniline-d4	10.313	131	548103	15.849	ng/u1	0.00
46) Dimethylphthalate-d6	13.507	166	1184830	16.496	ng/u1	0.00
49) Acenaphthylene-d8	13.778	160	1396792	16.607	ng/u1	0.00
54) 4-Nitrophenol-d4	14.284	143	176279	12.993	ng/u1	0.00
60) Fluorene-d10	15.107	176	1041749	16.894	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.231	200	98967	10.944	ng/u1	0.00
73) Anthracene-d10	17.013	188	1642237	16.413	ng/u1	0.00
81) Pyrene-d10	19.395	212	1941520	17.134	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.271	264	1919934	16.437	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.125	88	13389	1.494	ng/uL	98
5) Pyridine	3.490	79	107992	4.435	ng/u1#	82
6) Benzaldehyde	6.602	77	82961	5.985	ng/u1	99
8) Phenol	6.649	94	129652	4.415	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.884	93	102550	4.533	ng/u1	97
12) 2-Chlorophenol	7.013	128	108605	4.586	ng/u1	98
13) 2-Methylphenol	7.878	108	90710	4.057	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	7.966	45	143481	4.586	ng/u1	98
16) Acetophenone	8.243	105	171816	4.733	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.237	70	75406	4.547	ng/u1	99
18) 4-Methylphenol	8.196	108	103200	4.269	ng/u1	98
19) Hexachloroethane	8.502	117	41647	4.611	ng/u1	97
22) Nitrobenzene	8.607	77	106992	4.556	ng/u1	98
23) Isophorone	9.137	82	211782	4.370	ng/u1	98
25) 2-Nitrophenol	9.307	139	43362	4.193	ng/u1	99
26) 2,4-Dimethylphenol	9.378	107	102537	4.115	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.619	93	137230	4.578	ng/u1	99
29) 2,4-Dichlorophenol	9.837	162	98242	4.379	ng/u1	93
30) Naphthalene	10.237	128	366261	4.621	ng/u1	99
32) 4-Chloroaniline	10.337	127	155669	4.586	ng/u1	99
33) Hexachlorobutadiene	10.543	225	69761	4.664	ng/u1	98
34) Caprolactam	11.084	113	33418m	4.202	ng/u1	
35) 4-Chloro-3-methylphenol	11.472	107	91163	4.074	ng/u1	97
36) 2-Methylnaphthalene	11.860	142	257764	4.564	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.090	142	251689	4.536	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.237	216	133175	4.512	ng/ul	98
40) Hexachlorocyclopentadiene	12.231	237	54145	3.749	ng/ul	98
41) 2,4,6-Trichlorophenol	12.484	196	66490	3.810	ng/ul	96
42) 2,4,5-Trichlorophenol	12.548	196	77230	3.978	ng/ul	100
43) 1,1'-Biphenyl	12.901	154	344803	4.656	ng/ul	99
44) 2-Chloronaphthalene	12.937	162	267462	4.645	ng/ul	98
45) 2-Nitroaniline	13.142	65	38595	3.546	ng/ul	92
47) Dimethylphthalate	13.554	163	339122	4.784	ng/ul	100
48) 2,6-Dinitrotoluene	13.654	165	39263	3.538	ng/ul	89
50) Acenaphthylene	13.801	152	455644	4.778	ng/ul	99
51) 3-Nitroaniline	13.984	138	43082	3.318	ng/ul#	96
52) Acenaphthene	14.154	153	288256	4.680	ng/ul	99
53) 2,4-Dinitrophenol	14.201	184	20138	3.637	ng/ul	99
55) 4-Nitrophenol	14.295	109	44983	4.676	ng/ul	95
56) Dibenzofuran	14.501	168	418414	4.795	ng/ul	98
57) 2,4-Dinitrotoluene	14.460	165	57776	3.526	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.731	232	61495	3.919	ng/ul#	97
59) Diethylphthalate	14.960	149	314547	4.543	ng/ul	100
61) Fluorene	15.166	166	338208	4.794	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.178	204	167002	4.795	ng/ul	99
63) 4-Nitroaniline	15.172	138	50093	3.914	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.242	198	31729	3.224	ng/ul#	84
67) N-Nitrosodiphenylamine	15.378	169	276917	4.494	ng/ul	99
68) 4-Bromophenyl-phenylether	16.084	248	95810	4.389	ng/ul#	93
69) Hexachlorobenzene	16.189	284	127886	4.670	ng/ul	99
70) Atrazine	16.384	200	105525	4.661	ng/ul	98
71) Pentachlorophenol	16.548	266	64996	3.927	ng/ul	95
72) Phenanthrene	16.954	178	542298	4.681	ng/ul	100
74) Anthracene	17.042	178	539846	4.650	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.854	216	135273	4.345	ng/uL	98
76) Pentachlorobenzene	14.413	250	142699	4.532	ng/uL	99
77) Carbazole	17.325	167	467096	4.488	ng/ul	99
78) Di-n-butylphthalate	17.954	149	451646	3.934	ng/ul	99
80) Fluoranthene	19.048	202	595774	4.526	ng/ul	98
82) Pyrene	19.425	202	668394	4.784	ng/ul	100
83) Butylbenzylphthalate	20.436	149	131419	3.239	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.260	252	119172	2.952	ng/ul	98
85) Benzo(a)anthracene	21.324	228	635196	4.471	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.330	149	241791	3.551	ng/ul	99
87) Chrysene	21.383	228	632881	4.779	ng/ul	99
89) Di-n-octyl phthalate	22.554	149	295193	2.566	ng/ul	100
90) Benzo(b)fluoranthene	23.495	252	578965	4.230	ng/ul	99
91) Benzo(k)fluoranthene	23.565	252	605355	4.435	ng/ul	98
93) Benzo(a)pyrene	24.336	252	566322	4.393	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.006	276	649446m	3.973	ng/ul	
95) Dibenzo(a,h)anthracene	28.101	278	520061	3.953	ng/ul	99
96) Benzo(g,h,i)perylene	29.095	276	593726	4.419	ng/ul	98

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

