

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070125\
 Data File : BP025055.D
 Acq On : 01 Jul 2025 14:09
 Operator : RC/JU
 Sample : Q2117-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 01 15:25:01 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	433760	20.000	ng/u1	0.00
20) Naphthalene-d8	10.190	136	1776555	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.101	164	1178222	20.000	ng/u1	0.01
64) Phenanthrene-d10	16.925	188	2463237	20.000	ng/u1	0.01
79) Chrysene-d12	21.348	240	2713671	20.000	ng/u1	0.00
88) Perylene-d12	24.483	264	2872744	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	39146	4.039	ng/uL	0.00
4) Pyridine-d5	3.472	84	424627	15.476	ng/u1	0.00
7) Phenol-d5	6.631	99	524957	15.721	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.796	67	316710	16.476	ng/u1	0.00
11) 2-Chlorophenol-d4	6.990	132	444781	16.461	ng/u1	0.00
15) 4-Methylphenol-d8	8.131	113	425907	15.747	ng/u1	0.00
21) Nitrobenzene-d5	8.572	128	195230	16.370	ng/u1	0.00
24) 2-Nitrophenol-d4	9.284	143	164639	15.837	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.813	165	416902	15.782	ng/u1	0.00
31) 4-Chloroaniline-d4	10.319	131	652084	16.030	ng/u1	0.00
46) Dimethylphthalate-d6	13.507	166	1419608	16.773	ng/u1	0.00
49) Acenaphthylene-d8	13.784	160	1650857	16.656	ng/u1	0.00
54) 4-Nitrophenol-d4	14.290	143	228899	14.317	ng/u1	0.00
60) Fluorene-d10	15.119	176	1230670	16.937	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.231	200	125914	11.764	ng/u1	0.00
73) Anthracene-d10	17.025	188	1961424	16.563	ng/u1	0.00
81) Pyrene-d10	19.413	212	2272406	16.327	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.271	264	2430804	16.824	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.125	88	16502	1.577	ng/uL#	93
5) Pyridine	3.490	79	125879	4.428	ng/u1#	87
6) Benzaldehyde	6.602	77	99970	6.178	ng/u1	98
8) Phenol	6.655	94	155330	4.531	ng/u1	96
10) Bis(2-Chloroethyl)ether	6.884	93	124743	4.723	ng/u1	99
12) 2-Chlorophenol	7.019	128	129652	4.689	ng/u1	97
13) 2-Methylphenol	7.878	108	111496	4.271	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	7.978	45	171133	4.685	ng/u1	98
16) Acetophenone	8.249	105	201785	4.761	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.237	70	90615	4.680	ng/u1	97
18) 4-Methylphenol	8.196	108	126261	4.473	ng/u1	96
19) Hexachloroethane	8.502	117	49208	4.667	ng/u1	90
22) Nitrobenzene	8.613	77	129958	4.705	ng/u1	97
23) Isophorone	9.131	82	255943	4.490	ng/u1	99
25) 2-Nitrophenol	9.313	139	55777	4.585	ng/u1	97
26) 2,4-Dimethylphenol	9.384	107	120735	4.120	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.619	93	164749	4.672	ng/u1	98
29) 2,4-Dichlorophenol	9.843	162	121918	4.620	ng/u1	95
30) Naphthalene	10.237	128	444563	4.768	ng/u1	100
32) 4-Chloroaniline	10.343	127	182444	4.569	ng/u1	98
33) Hexachlorobutadiene	10.543	225	82841	4.708	ng/u1	97
34) Caprolactam	11.090	113	51581	5.514	ng/u1	94
35) 4-Chloro-3-methylphenol	11.478	107	116125	4.412	ng/u1	95
36) 2-Methylnaphthalene	11.872	142	319137	4.804	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.084	142	305448	4.680	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.249	216	157720	4.535	ng/ul	99
40) Hexachlorocyclopentadiene	12.237	237	82986	4.876	ng/ul	98
41) 2,4,6-Trichlorophenol	12.484	196	84370	4.103	ng/ul	96
42) 2,4,5-Trichlorophenol	12.560	196	97454	4.260	ng/ul	99
43) 1,1'-Biphenyl	12.913	154	410167	4.700	ng/ul	100
44) 2-Chloronaphthalene	12.943	162	320115	4.717	ng/ul	98
45) 2-Nitroaniline	13.137	65	48569	3.787	ng/ul	96
47) Dimethylphthalate	13.548	163	403607	4.832	ng/ul	99
48) 2,6-Dinitrotoluene	13.660	165	48528	3.711	ng/ul	91
50) Acenaphthylene	13.807	152	546105	4.860	ng/ul	99
51) 3-Nitroaniline	13.984	138	56594	3.699	ng/ul#	88
52) Acenaphthene	14.166	153	347224	4.784	ng/ul	98
53) 2,4-Dinitrophenol	14.201	184	38964	5.971	ng/ul	96
55) 4-Nitrophenol	14.307	109	64986	5.733	ng/ul	97
56) Dibenzofuran	14.513	168	497541	4.838	ng/ul	99
57) 2,4-Dinitrotoluene	14.472	165	74936	3.881	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.742	232	77882	4.212	ng/ul	98
59) Diethylphthalate	14.966	149	384555	4.713	ng/ul	99
61) Fluorene	15.178	166	403870	4.858	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.190	204	198308	4.832	ng/ul	99
63) 4-Nitroaniline	15.184	138	66218	4.390	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.242	198	40535	3.479	ng/ul#	75
67) N-Nitrosodiphenylamine	15.401	169	336615	4.616	ng/ul	99
68) 4-Bromophenyl-phenylether	16.107	248	115849	4.484	ng/ul	99
69) Hexachlorobenzene	16.213	284	154329	4.762	ng/ul	98
70) Atrazine	16.389	200	180841	6.749	ng/ul	99
71) Pentachlorophenol	16.566	266	122231	6.239	ng/ul	98
72) Phenanthrene	16.966	178	660311	4.815	ng/ul	99
74) Anthracene	17.054	178	668980	4.868	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.860	216	160540	4.357	ng/uL	98
76) Pentachlorobenzene	14.431	250	169372	4.545	ng/uL	100
77) Carbazole	17.336	167	572614	4.648	ng/ul	99
78) Di-n-butylphthalate	17.972	149	567263	4.175	ng/ul	99
80) Fluoranthene	19.072	202	716971	4.435	ng/ul	98
82) Pyrene	19.448	202	801876	4.673	ng/ul	99
83) Butylbenzylphthalate	20.436	149	176700	3.546	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.272	252	216746	4.370	ng/ul	99
85) Benzo(a)anthracene	21.330	228	806992	4.624	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.330	149	320588	3.833	ng/ul	98
87) Chrysene	21.395	228	761363	4.680	ng/ul	99
89) Di-n-octyl phthalate	22.560	149	430630	3.026	ng/ul	100
90) Benzo(b)fluoranthene	23.501	252	745857	4.406	ng/ul	99
91) Benzo(k)fluoranthene	23.566	252	783867	4.642	ng/ul	98
93) Benzo(a)pyrene	24.330	252	711247	4.461	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.024	276	866706m	4.287	ng/ul	
95) Dibenzo(a,h)anthracene	28.124	278	706172m	4.339	ng/ul	
96) Benzo(g,h,i)perylene	29.095	276	772518	4.648	ng/ul	99

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

