

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070225\
 Data File : BP025065.D
 Acq On : 02 Jul 2025 12:15
 Operator : RC/JU
 Sample : Q2117-04
 Misc : MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 02 12:57:51 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	361224	20.000	ng/u1	0.00
20) Naphthalene-d8	10.190	136	1500201	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.089	164	1004648	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.913	188	2066108	20.000	ng/u1	0.00
79) Chrysene-d12	21.342	240	2159014	20.000	ng/u1	0.00
88) Perylene-d12	24.483	264	2225718	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	34560	4.282	ng/uL	0.00
4) Pyridine-d5	3.472	84	363343	15.902	ng/u1	0.00
7) Phenol-d5	6.631	99	431535	15.518	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.796	67	265964	16.615	ng/u1	0.00
11) 2-Chlorophenol-d4	6.984	132	364696	16.208	ng/u1	0.00
15) 4-Methylphenol-d8	8.131	113	350132	15.545	ng/u1	0.00
21) Nitrobenzene-d5	8.566	128	159389	15.827	ng/u1	0.00
24) 2-Nitrophenol-d4	9.284	143	129043	14.700	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.813	165	340185	15.250	ng/u1	0.00
31) 4-Chloroaniline-d4	10.319	131	540068	15.722	ng/u1	0.00
46) Dimethylphthalate-d6	13.501	166	1203588	16.677	ng/u1	-0.01
49) Acenaphthylene-d8	13.772	160	1410080	16.685	ng/u1	0.00
54) 4-Nitrophenol-d4	14.284	143	170966	12.541	ng/u1	0.00
60) Fluorene-d10	15.101	176	1043826	16.847	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.225	200	97047	10.810	ng/u1	-0.01
73) Anthracene-d10	17.019	188	1634194	16.452	ng/u1	0.00
81) Pyrene-d10	19.407	212	1873102	16.915	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.271	264	1822158	16.278	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.125	88	13638	1.565	ng/uL	98
5) Pyridine	3.496	79	108357	4.577	ng/u1	90
6) Benzaldehyde	6.602	77	82422	6.116	ng/u1	99
8) Phenol	6.655	94	125395	4.392	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.884	93	102063	4.641	ng/u1	98
12) 2-Chlorophenol	7.013	128	107205	4.656	ng/u1	99
13) 2-Methylphenol	7.878	108	89783	4.130	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	7.966	45	142730	4.692	ng/u1	99
16) Acetophenone	8.243	105	170623	4.834	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.237	70	75694	4.694	ng/u1	99
18) 4-Methylphenol	8.196	108	100313	4.268	ng/u1	98
19) Hexachloroethane	8.502	117	41258	4.698	ng/u1	99
22) Nitrobenzene	8.607	77	103997	4.458	ng/u1	97
23) Isophorone	9.137	82	210871	4.381	ng/u1	98
25) 2-Nitrophenol	9.307	139	43573	4.241	ng/u1	97
26) 2,4-Dimethylphenol	9.384	107	101658	4.108	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.619	93	137961	4.633	ng/u1	98
29) 2,4-Dichlorophenol	9.837	162	98786	4.433	ng/u1	96
30) Naphthalene	10.237	128	371950	4.725	ng/u1	99
32) 4-Chloroaniline	10.343	127	153289	4.546	ng/u1	98
33) Hexachlorobutadiene	10.543	225	68821	4.632	ng/u1	95
34) Caprolactam	11.090	113	33516m	4.243	ng/u1	
35) 4-Chloro-3-methylphenol	11.472	107	92299	4.153	ng/u1	98
36) 2-Methylnaphthalene	11.860	142	258632	4.611	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.084	142	251197	4.558	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.242	216	131649	4.439	ng/ul	98
40) Hexachlorocyclopentadiene	12.231	237	54367	3.746	ng/ul	98
41) 2,4,6-Trichlorophenol	12.484	196	67209	3.833	ng/ul	100
42) 2,4,5-Trichlorophenol	12.548	196	75664	3.879	ng/ul	97
43) 1,1'-Biphenyl	12.901	154	345509	4.643	ng/ul	99
44) 2-Chloronaphthalene	12.937	162	265332	4.586	ng/ul	98
45) 2-Nitroaniline	13.137	65	38405	3.512	ng/ul	94
47) Dimethylphthalate	13.548	163	334223	4.693	ng/ul	100
48) 2,6-Dinitrotoluene	13.654	165	38672	3.468	ng/ul#	91
50) Acenaphthylene	13.801	152	455885	4.758	ng/ul	98
51) 3-Nitroaniline	13.978	138	44086	3.379	ng/ul#	98
52) Acenaphthene	14.154	153	286878	4.636	ng/ul	98
53) 2,4-Dinitrophenol	14.195	184	19610	3.524	ng/ul	94
55) 4-Nitrophenol	14.295	109	43957	4.548	ng/ul	94
56) Dibenzofuran	14.495	168	419281	4.782	ng/ul	97
57) 2,4-Dinitrotoluene	14.460	165	56834	3.452	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	14.731	232	60452	3.835	ng/ul	99
59) Diethylphthalate	14.954	149	309129	4.443	ng/ul	99
61) Fluorene	15.166	166	338394	4.773	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.172	204	166378	4.754	ng/ul	99
63) 4-Nitroaniline	15.166	138	48423	3.765	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.242	198	31589	3.233	ng/ul#	93
67) N-Nitrosodiphenylamine	15.384	169	273160	4.465	ng/ul	99
68) 4-Bromophenyl-phenylether	16.089	248	95104	4.389	ng/ul	96
69) Hexachlorobenzene	16.195	284	124408	4.576	ng/ul	99
70) Atrazine	16.389	200	101639	4.522	ng/ul	98
71) Pentachlorophenol	16.554	266	62168	3.783	ng/ul	99
72) Phenanthrene	16.960	178	544521	4.734	ng/ul	99
74) Anthracene	17.048	178	538390	4.671	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.854	216	136971	4.432	ng/ul	99
76) Pentachlorobenzene	14.413	250	141784	4.536	ng/ul	98
77) Carbazole	17.330	167	462389	4.475	ng/ul	100
78) Di-n-butylphthalate	17.960	149	427480	3.751	ng/ul	99
80) Fluoranthene	19.060	202	574340	4.465	ng/ul	99
82) Pyrene	19.442	202	654313	4.793	ng/ul	97
83) Butylbenzylphthalate	20.436	149	122192	3.082	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.260	252	107576	2.726	ng/ul	97
85) Benzo(a)anthracene	21.330	228	619090	4.459	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.330	149	217939	3.275	ng/ul	99
87) Chrysene	21.389	228	600133	4.637	ng/ul	99
89) Di-n-octyl phthalate	22.548	149	261353	2.371	ng/ul	100
90) Benzo(b)fluoranthene	23.501	252	544190	4.149	ng/ul	100
91) Benzo(k)fluoranthene	23.565	252	591846	4.524	ng/ul	100
93) Benzo(a)pyrene	24.336	252	527043	4.266	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.012	276	612947m	3.913	ng/ul	
95) Dibenzo(a,h)anthracene	28.124	278	507773m	4.027	ng/ul	
96) Benzo(g,h,i)perylene	29.077	276	557361	4.329	ng/ul	99

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

