

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091025\
 Data File : BP025707.D
 Acq On : 10 Sep 2025 11:56
 Operator : CG/JU
 Sample : Q2899-04
 Misc : MDL-SOIL 4 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 10 12:50:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP090825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 09 09:26:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/10/2025
 Supervised By :Jagrut Upadhyay 09/11/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	136453	20.000	ng/u1	0.00
20) Naphthalene-d8	10.525	136	571158	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.384	164	409380	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.184	188	880993	20.000	ng/u1	0.00
79) Chrysene-d12	21.625	240	986786	20.000	ng/u1	0.00
88) Perylene-d12	24.977	264	1045818	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	12566	3.768	ng/uL	0.00
4) Pyridine-d5	3.690	84	133476	13.810	ng/u1	0.00
7) Phenol-d5	6.955	99	153100	13.890	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.096	67	104018	15.434	ng/u1	0.00
11) 2-Chlorophenol-d4	7.308	132	128284	14.942	ng/u1	0.00
15) 4-Methylphenol-d8	8.472	113	125148	13.713	ng/u1	0.00
21) Nitrobenzene-d5	8.902	128	64578	14.698	ng/u1	0.00
24) 2-Nitrophenol-d4	9.619	143	71182	14.253	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.166	165	126072	14.008	ng/u1	0.00
31) 4-Chloroaniline-d4	10.666	131	176908	14.030	ng/u1	0.00
46) Dimethylphthalate-d6	13.778	166	474685	15.338	ng/u1	0.00
49) Acenaphthylene-d8	14.066	160	518254	15.250	ng/u1	0.00
54) 4-Nitrophenol-d4	14.625	143	80121m	15.607	ng/u1	0.02
60) Fluorene-d10	15.390	176	404752	15.704	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.525	200	70333	11.725	ng/u1	0.00
73) Anthracene-d10	17.284	188	642850	15.162	ng/u1	0.00
81) Pyrene-d10	19.660	212	822687	15.233	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.748	264	848807	15.809	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	5310	1.506	ng/uL#	91
5) Pyridine	3.714	79	39919	3.965	ng/u1#	85
6) Benzaldehyde	6.919	77	29144	5.741	ng/u1	98
8) Phenol	6.978	94	43751	3.865	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.190	93	38404	4.299	ng/u1	98
12) 2-Chlorophenol	7.337	128	37285	4.254	ng/u1	94
13) 2-Methylphenol	8.208	108	32422	3.736	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.284	45	64070	4.524	ng/u1	96
16) Acetophenone	8.578	105	59070	4.184	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.555	70	31105	4.149	ng/u1	98
18) 4-Methylphenol	8.537	108	36155	3.843	ng/u1	97
19) Hexachloroethane	8.825	117	17363	4.419	ng/u1	95
22) Nitrobenzene	8.943	77	46626	4.384	ng/u1	97
23) Isophorone	9.472	82	87779	4.032	ng/u1	100
25) 2-Nitrophenol	9.655	139	21873	4.210	ng/u1#	92
26) 2,4-Dimethylphenol	9.719	107	36735	3.449	ng/u1	93
27) Bis(2-Chloroethoxy)met...	9.943	93	54235	4.340	ng/u1	98
29) 2,4-Dichlorophenol	10.196	162	35956m	4.109	ng/u1	
30) Naphthalene	10.578	128	133350	4.465	ng/u1	99
32) 4-Chloroaniline	10.690	127	51476	4.096	ng/u1	94
33) Hexachlorobutadiene	10.860	225	28788	4.420	ng/u1	97
34) Caprolactam	11.484	113	15963m	4.453	ng/u1	
35) 4-Chloro-3-methylphenol	11.831	107	40489	3.933	ng/u1	98
36) 2-Methylnaphthalene	12.184	142	88415	4.145	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.407	142	93833	4.490	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.560	216	49936	4.102	ng/ul	97
40) Hexachlorocyclopentadiene	12.531	237	24228	3.915	ng/ul	94
41) 2,4,6-Trichlorophenol	12.807	196	29659	3.724	ng/ul	97
42) 2,4,5-Trichlorophenol	12.901	196	32590m	3.734	ng/ul	
43) 1,1'-Biphenyl	13.201	154	126208	4.397	ng/ul	98
44) 2-Chloronaphthalene	13.243	162	97202	4.303	ng/ul	98
45) 2-Nitroaniline	13.460	65	24961	3.482	ng/ul	97
47) Dimethylphthalate	13.819	163	135149	4.452	ng/ul	99
48) 2,6-Dinitrotoluene	13.948	165	22545	3.666	ng/ul	94
50) Acenaphthylene	14.101	152	166204	4.369	ng/ul	99
51) 3-Nitroaniline	14.301	138	21903	4.006	ng/ul	97
52) Acenaphthene	14.443	153	111450	4.559	ng/ul	99
53) 2,4-Dinitrophenol	14.519	184	16984m	4.494	ng/ul	
55) 4-Nitrophenol	14.643	109	23591m	5.644	ng/ul	
56) Dibenzofuran	14.790	168	157120	4.495	ng/ul	99
57) 2,4-Dinitrotoluene	14.760	165	36403	3.952	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.031	232	31182	4.074	ng/ul	91
59) Diethylphthalate	15.213	149	137243	4.397	ng/ul	97
61) Fluorene	15.442	166	130515	4.571	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.437	204	66659	4.560	ng/ul	99
63) 4-Nitroaniline	15.478	138	22420m	4.159	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.537	198	22333	3.676	ng/ul#	83
67) N-Nitrosodiphenylamine	15.654	169	107981	4.238	ng/ul	98
68) 4-Bromophenyl-phenylether	16.354	248	40884	4.353	ng/ul	95
69) Hexachlorobenzene	16.478	284	46965	4.362	ng/ul	96
70) Atrazine	16.637	200	52350	5.008	ng/ul	99
71) Pentachlorophenol	16.842	266	28196	4.094	ng/ul	99
72) Phenanthrene	17.225	178	213562	4.418	ng/ul	99
74) Anthracene	17.319	178	214149	4.369	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.160	216	52915	4.075	ng/uL	99
76) Pentachlorobenzene	14.707	250	54660	4.313	ng/uL	99
77) Carbazole	17.619	167	176820	4.014	ng/ul	98
78) Di-n-butylphthalate	18.195	149	240125	4.241	ng/ul	99
80) Fluoranthene	19.313	202	262028	4.262	ng/ul	98
82) Pyrene	19.689	202	287136	4.468	ng/ul	100
83) Butylbenzylphthalate	20.630	149	119914	4.188	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.536	252	76719	3.627	ng/ul	99
85) Benzo(a)anthracene	21.607	228	281747	4.287	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.536	149	180033	4.279	ng/ul	98
87) Chrysene	21.666	228	275305	4.451	ng/ul	99
89) Di-n-octyl phthalate	22.807	149	302196	4.282	ng/ul	100
90) Benzo(b)fluoranthene	23.913	252	278637	4.551	ng/ul	99
91) Benzo(k)fluoranthene	23.989	252	261712	4.215	ng/ul	99
93) Benzo(a)pyrene	24.818	252	259038	4.403	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.795	276	316416m	4.299	ng/ul	
95) Dibenzo(a,h)anthracene	28.871	278	249668	4.187	ng/ul	98
96) Benzo(g,h,i)perylene	29.965	276	253708	4.252	ng/ul	99

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

