

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090925\
 Data File : BP025695.D
 Acq On : 09 Sep 2025 12:56
 Operator : CG/JU
 Sample : Q2899-03
 Misc : MDL-SOIL 4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT3-2025-05

Quant Time: Sep 09 17:32:18 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 09/10/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	140065	20.000	ng/u1	0.00
20) Naphthalene-d8	10.531	136	574387	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.378	164	392754	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.183	188	887101	20.000	ng/u1	0.00
79) Chrysene-d12	21.624	240	940105	20.000	ng/u1	0.00
88) Perylene-d12	24.989	264	1008168	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	15333	4.480	ng/uL	0.00
4) Pyridine-d5	3.696	84	170792	17.216	ng/u1	0.00
7) Phenol-d5	6.955	99	174036	15.383	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.102	67	113354	16.386	ng/u1	0.00
11) 2-Chlorophenol-d4	7.308	132	145143	16.470	ng/u1	0.00
15) 4-Methylphenol-d8	8.466	113	138883	14.826	ng/u1	0.00
21) Nitrobenzene-d5	8.902	128	69892	15.818	ng/u1	0.00
24) 2-Nitrophenol-d4	9.625	143	79539	15.837	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.172	165	137235	15.163	ng/u1	0.01
31) 4-Chloroaniline-d4	10.672	131	192457	15.177	ng/u1	0.01
46) Dimethylphthalate-d6	13.778	166	497597	16.759	ng/u1	0.00
49) Acenaphthylene-d8	14.066	160	547505	16.793	ng/u1	0.00
54) 4-Nitrophenol-d4	14.619	143	55670	11.303	ng/u1	0.02
60) Fluorene-d10	15.389	176	454602	18.385	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.513	200	80566	13.339	ng/u1	0.00
73) Anthracene-d10	17.283	188	718920	16.840	ng/u1	0.00
81) Pyrene-d10	19.648	212	836618	16.260	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.754	264	884484	17.089	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	6683	1.847	ng/uL	93
5) Pyridine	3.719	79	51311	4.966	ng/u1	86
6) Benzaldehyde	6.919	77	33731	6.473	ng/u1	94
8) Phenol	6.978	94	50122	4.313	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.190	93	42775	4.664	ng/u1	98
12) 2-Chlorophenol	7.343	128	42261	4.697	ng/u1	97
13) 2-Methylphenol	8.207	108	37562	4.216	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.278	45	68443	4.708	ng/u1	98
16) Acetophenone	8.578	105	66422	4.583	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.555	70	34418	4.472	ng/u1	94
18) 4-Methylphenol	8.537	108	40991	4.245	ng/u1	95
19) Hexachloroethane	8.825	117	19697	4.884	ng/u1	89
22) Nitrobenzene	8.949	77	49529	4.631	ng/u1	99
23) Isophorone	9.472	82	94875	4.334	ng/u1	99
25) 2-Nitrophenol	9.654	139	22837	4.371	ng/u1	92
26) 2,4-Dimethylphenol	9.719	107	41475	3.873	ng/u1	91
27) Bis(2-Chloroethoxy)met...	9.943	93	58121	4.625	ng/u1	98
29) 2,4-Dichlorophenol	10.196	162	38789	4.408	ng/u1	97
30) Naphthalene	10.578	128	142919	4.759	ng/u1	99
32) 4-Chloroaniline	10.696	127	54139	4.283	ng/u1	96
33) Hexachlorobutadiene	10.866	225	30962	4.727	ng/u1	93
34) Caprolactam	11.484	113	14594	4.049	ng/u1	96
35) 4-Chloro-3-methylphenol	11.837	107	43839	4.235	ng/u1	97
36) 2-Methylnaphthalene	12.195	142	99963	4.660	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.407	142	97956	4.661	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.566	216	54472	4.664	ng/ul	96
40) Hexachlorocyclopentadiene	12.543	237	16271	2.740	ng/ul	93
41) 2,4,6-Trichlorophenol	12.813	196	31180	4.081	ng/ul	99
42) 2,4,5-Trichlorophenol	12.907	196	38375	4.583	ng/ul	97
43) 1,1'-Biphenyl	13.207	154	129379	4.699	ng/ul	98
44) 2-Chloronaphthalene	13.248	162	101583	4.687	ng/ul	99
45) 2-Nitroaniline	13.460	65	27650	4.020	ng/ul	94
47) Dimethylphthalate	13.825	163	138021	4.739	ng/ul	100
48) 2,6-Dinitrotoluene	13.954	165	25411	4.307	ng/ul	98
50) Acenaphthylene	14.095	152	176240	4.829	ng/ul	100
51) 3-Nitroaniline	14.307	138	21647	4.127	ng/ul	92
52) Acenaphthene	14.437	153	114308	4.874	ng/ul	99
53) 2,4-Dinitrophenol	14.513	184	13337	3.678	ng/ul#	85
55) 4-Nitrophenol	14.637	109	19846m	4.949	ng/ul	
56) Dibenzofuran	14.784	168	160353	4.781	ng/ul	98
57) 2,4-Dinitrotoluene	14.754	165	37843	4.283	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.025	232	33211	4.523	ng/ul	98
59) Diethylphthalate	15.207	149	140456	4.690	ng/ul	98
61) Fluorene	15.442	166	144898	5.290	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.437	204	74062	5.281	ng/ul	98
63) 4-Nitroaniline	15.478	138	16901	3.268	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.525	198	25602	4.185	ng/ul#	96
67) N-Nitrosodiphenylamine	15.654	169	124146	4.839	ng/ul	97
68) 4-Bromophenyl-phenylether	16.348	248	44857	4.744	ng/ul	97
69) Hexachlorobenzene	16.472	284	51292	4.731	ng/ul	95
70) Atrazine	16.625	200	57262	5.440	ng/ul	97
71) Pentachlorophenol	16.836	266	33805	4.874	ng/ul	92
72) Phenanthrene	17.225	178	236159	4.852	ng/ul	99
74) Anthracene	17.319	178	235157	4.765	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.172	216	56658	4.333	ng/uL	93
76) Pentachlorobenzene	14.707	250	57808	4.530	ng/uL	96
77) Carbazole	17.607	167	199774	4.503	ng/ul	99
78) Di-n-butylphthalate	18.183	149	248203	4.353	ng/ul	100
80) Fluoranthene	19.307	202	263839	4.505	ng/ul	100
82) Pyrene	19.683	202	290227	4.740	ng/ul	100
83) Butylbenzylphthalate	20.630	149	116592	4.274	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.536	252	80955	4.017	ng/ul	98
85) Benzo(a)anthracene	21.607	228	297324	4.748	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.542	149	182954	4.564	ng/ul	99
87) Chrysene	21.671	228	283693	4.814	ng/ul	99
89) Di-n-octyl phthalate	22.818	149	306011	4.498	ng/ul	100
90) Benzo(b)fluoranthene	23.918	252	284984	4.829	ng/ul	98
91) Benzo(k)fluoranthene	23.989	252	293850	4.909	ng/ul	99
93) Benzo(a)pyrene	24.818	252	264320	4.661	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.789	276	335923m	4.735	ng/ul	
95) Dibenzo(a,h)anthracene	28.877	278	266418	4.635	ng/ul	99
96) Benzo(g,h,i)perylene	29.977	276	273593	4.757	ng/ul	96

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

