

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062525\
 Data File : BN037380.D
 Acq On : 25 Jun 2025 11:37
 Operator : RC/JU
 Sample : Q2117-04
 Misc : MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 25 12:47:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	91966	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	297347	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	209601	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	424609	20.000	ng/u1	0.00
79) Chrysene-d12	21.192	240	402135	20.000	ng/u1	#-0.01
88) Perylene-d12	24.039	264	427303	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	8364	4.858	ng/uL	0.00
4) Pyridine-d5	3.470	84	78317	17.027	ng/u1	0.00
7) Phenol-d5	6.740	99	90258	17.021	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.899	67	58073	17.575	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	79451	16.902	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	71379	16.443	ng/u1	0.00
21) Nitrobenzene-d5	8.711	128	35459	16.273	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	40461	15.224	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	89008	15.440	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	89059	15.372	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	256053	16.561	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	284539	16.728	ng/u1	0.00
54) 4-Nitrophenol-d4	14.422	143	27467	11.962	ng/u1	0.00
60) Fluorene-d10	15.210	176	225565	16.143	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.340	200	37599	12.402	ng/u1	0.00
73) Anthracene-d10	17.063	188	337623	16.091	ng/u1	0.00
81) Pyrene-d10	19.363	212	370183	16.924	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	350323	15.777	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	3079m	1.552	ng/uL	
5) Pyridine	3.487	79	24135	5.073	ng/u1#	82
6) Benzaldehyde	6.711	77	18621	6.154	ng/u1	98
8) Phenol	6.764	94	26283	4.841	ng/u1	93
10) Bis(2-Chloroethyl)ether	6.993	93	21252	4.903	ng/u1	98
12) 2-Chlorophenol	7.122	128	22872	4.849	ng/u1	93
13) 2-Methylphenol	8.005	108	17669	4.291	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.087	45	19488m	5.346	ng/u1	
16) Acetophenone	8.381	105	33442	4.713	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.369	70	16374	4.857	ng/u1#	93
18) 4-Methylphenol	8.334	108	20689	4.647	ng/u1	98
19) Hexachloroethane	8.628	117	11441	4.630	ng/u1	95
22) Nitrobenzene	8.752	77	28343	4.798	ng/u1	99
23) Isophorone	9.281	82	41524	4.567	ng/u1#	94
25) 2-Nitrophenol	9.463	139	12130	4.509	ng/u1#	83
26) 2,4-Dimethylphenol	9.528	107	23760	4.459	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.763	93	26299	4.816	ng/u1	97
29) 2,4-Dichlorophenol	9.993	162	25636	4.555	ng/u1	98
30) Naphthalene	10.387	128	69367	4.648	ng/u1	97
32) 4-Chloroaniline	10.505	127	25391	4.418	ng/u1	93
33) Hexachlorobutadiene	10.675	225	25229	4.185	ng/u1	94
34) Caprolactam	11.281	113	5307m	4.490	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	17723	4.005	ng/u1	96
36) 2-Methylnaphthalene	12.010	142	49862	4.394	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	49524	4.433	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.387	216	39203	4.533	ng/ul	98
40) Hexachlorocyclopentadiene	12.363	237	37995	5.743	ng/ul	99
41) 2,4,6-Trichlorophenol	12.634	196	19446	3.987	ng/ul	95
42) 2,4,5-Trichlorophenol	12.704	196	21147	3.857	ng/ul	93
43) 1,1'-Biphenyl	13.040	154	69757	4.654	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	56647	4.582	ng/ul	98
45) 2-Nitroaniline	13.293	65	9621	3.693	ng/ul	88
47) Dimethylphthalate	13.681	163	69746	4.645	ng/ul	98
48) 2,6-Dinitrotoluene	13.799	165	10986	3.661	ng/ul	97
50) Acenaphthylene	13.934	152	87541	4.807	ng/ul	99
51) 3-Nitroaniline	14.128	138	7359	3.228	ng/ul	95
52) Acenaphthene	14.275	153	57152	4.642	ng/ul	97
53) 2,4-Dinitrophenol	14.340	184	10844	5.188	ng/ul#	85
55) 4-Nitrophenol	14.440	109	9937	4.238	ng/ul	84
56) Dibenzofuran	14.616	168	86996	4.567	ng/ul	99
57) 2,4-Dinitrotoluene	14.593	165	16698	3.840	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	14.846	232	18016	3.859	ng/ul#	97
59) Diethylphthalate	15.051	149	59751	4.232	ng/ul	97
61) Fluorene	15.269	166	69975	4.594	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.269	204	39600	4.199	ng/ul	97
63) 4-Nitroaniline	15.293	138	7847m	3.657	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.351	198	11674	3.745	ng/ul#	92
67) N-Nitrosodiphenylamine	15.487	169	56423	4.778	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	21462	4.108	ng/ul	99
69) Hexachlorobenzene	16.275	284	25442	4.329	ng/ul	97
70) Atrazine	16.440	200	34265	6.427	ng/ul	93
71) Pentachlorophenol	16.616	266	23499	6.006	ng/ul	96
72) Phenanthrene	17.004	178	108166	4.685	ng/ul	99
74) Anthracene	17.098	178	109321	4.672	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.004	216	36963	4.570	ng/ul	96
76) Pentachlorobenzene	14.540	250	34526	4.625	ng/ul	96
77) Carbazole	17.375	167	79999	4.142	ng/ul	97
78) Di-n-butylphthalate	17.945	149	83145	3.991	ng/ul	98
80) Fluoranthene	19.028	202	118415	4.719	ng/ul	98
82) Pyrene	19.392	202	128320	4.857	ng/ul	98
83) Butylbenzylphthalate	20.316	149	30624	3.888	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.116	252	36458	4.447	ng/ul	96
85) Benzo(a)anthracene	21.181	228	120348	4.431	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.122	149	44257	3.753	ng/ul#	96
87) Chrysene	21.239	228	115621	4.583	ng/ul	99
89) Di-n-octyl phthalate	22.204	149	64867	3.074	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	109396	4.140	ng/ul	99
91) Benzo(k)fluoranthene	23.204	252	106786	3.958	ng/ul	95
93) Benzo(a)pyrene	23.904	252	108224	4.359	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.210	276	136464m	4.104	ng/ul	
95) Dibenzo(a,h)anthracene	27.268	278	110125	4.046	ng/ul	96
96) Benzo(g,h,i)perylene	28.198	276	113438	4.146	ng/ul	97

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

