

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032025\
 Data File : BN036692.D
 Acq On : 20 Mar 2025 12:10
 Operator : RC/JU
 Sample : Q1546-05
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT1-2025-01

Quant Time: Mar 20 13:41:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 20 13:16:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	78497	20.000	ng/u1	0.00
20) Naphthalene-d8	10.493	136	344319	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.346	164	236254	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	499833	20.000	ng/u1	0.00
79) Chrysene-d12	21.333	240	475140	20.000	ng/u1	0.00
88) Perylene-d12	24.286	264	482414	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	8683	4.300	ng/uL	0.00
4) Pyridine-d5	3.599	84	152716	24.745	ng/u1	0.00
7) Phenol-d5	6.875	99	180480	24.073	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	139081	26.075	ng/u1	0.00
11) 2-Chlorophenol-d4	7.234	132	137759	26.131	ng/u1	0.00
15) 4-Methylphenol-d8	8.411	113	141086	22.791	ng/u1	0.00
21) Nitrobenzene-d5	8.858	128	72770	26.737	ng/u1	0.00
24) 2-Nitrophenol-d4	9.575	143	77553	26.970	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	128318	24.603	ng/u1	0.00
31) 4-Chloroaniline-d4	10.628	131	197156	24.479	ng/u1	0.00
46) Dimethylphthalate-d6	13.757	166	491050	27.638	ng/u1	0.00
49) Acenaphthylene-d8	14.040	160	538141	27.114	ng/u1	0.00
54) 4-Nitrophenol-d4	14.546	143	84784	24.090	ng/u1	0.00
60) Fluorene-d10	15.345	176	405429	27.054	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	77927	22.783	ng/u1	0.00
73) Anthracene-d10	17.192	188	633912	25.772	ng/u1	0.00
81) Pyrene-d10	19.492	212	752023	28.972	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	697996	29.038	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.228	88	3056m	1.350	ng/uL	
5) Pyridine	3.617	79	29378	4.563	ng/u1#	54
6) Benzaldehyde	6.846	77	23439	5.304	ng/u1	96
8) Phenol	6.899	94	35586	4.427	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.128	93	28948	4.612	ng/u1	99
12) 2-Chlorophenol	7.269	128	25720	4.625	ng/u1	96
13) 2-Methylphenol	8.146	108	21651	3.740	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.222	45	58395	4.847	ng/u1	99
16) Acetophenone	8.522	105	46437	4.413	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.511	70	25535	4.321	ng/u1	91
18) 4-Methylphenol	8.469	108	25383	3.839	ng/u1	98
19) Hexachloroethane	8.775	117	12666	4.954	ng/u1	95
22) Nitrobenzene	8.899	77	38964	4.733	ng/u1	99
23) Isophorone	9.422	82	67139	4.379	ng/u1	99
25) 2-Nitrophenol	9.605	139	14713	4.595	ng/u1	92
26) 2,4-Dimethylphenol	9.669	107	15437	2.281	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.910	93	39773	4.601	ng/u1	98
29) 2,4-Dichlorophenol	10.140	162	24245	4.532	ng/u1	93
30) Naphthalene	10.540	128	92906	4.879	ng/u1	100
32) 4-Chloroaniline	10.652	127	35279	4.526	ng/u1	98
33) Hexachlorobutadiene	10.828	225	17160	4.870	ng/u1	94
34) Caprolactam	11.440	113	8873	4.004	ng/u1	96
35) 4-Chloro-3-methylphenol	11.781	107	26626	3.924	ng/u1	95
36) 2-Methylnaphthalene	12.157	142	61566	4.645	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	56672	4.240	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.534	216	31985	4.828	ng/ul	94
40) Hexachlorocyclopentadiene	12.510	237	17834	4.561	ng/ul	96
41) 2,4,6-Trichlorophenol	12.775	196	17554	4.028	ng/ul	92
42) 2,4,5-Trichlorophenol	12.846	196	19911	4.170	ng/ul	91
43) 1,1'-Biphenyl	13.181	154	85363	4.892	ng/ul	98
44) 2-Chloronaphthalene	13.216	162	63904	4.723	ng/ul	96
45) 2-Nitroaniline	13.422	65	20700	3.811	ng/ul	94
47) Dimethylphthalate	13.804	163	86365	4.820	ng/ul	99
48) 2,6-Dinitrotoluene	13.922	165	14119	4.036	ng/ul	86
50) Acenaphthylene	14.069	152	103271	4.808	ng/ul	97
51) 3-Nitroaniline	14.251	138	13234	3.503	ng/ul	94
52) Acenaphthene	14.410	153	74074	4.783	ng/ul	93
53) 2,4-Dinitrophenol	14.463	184	10621	4.416	ng/ul	94
55) 4-Nitrophenol	14.563	109	16053	4.633	ng/ul	97
56) Dibenzofuran	14.746	168	101068	4.736	ng/ul	99
57) 2,4-Dinitrotoluene	14.716	165	22727	4.243	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.975	232	17074	4.278	ng/ul	95
59) Diethylphthalate	15.175	149	88924	4.778	ng/ul	99
61) Fluorene	15.398	166	85475	4.846	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.398	204	40789	4.849	ng/ul	99
63) 4-Nitroaniline	15.416	138	12954	3.485	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.475	198	19065	5.185	ng/ul#	82
67) N-Nitrosodiphenylamine	15.610	169	69509	4.553	ng/ul	96
68) 4-Bromophenyl-phenylether	16.287	248	22071	4.554	ng/ul	98
69) Hexachlorobenzene	16.398	284	23960	4.438	ng/ul	91
70) Atrazine	16.563	200	27515	4.845	ng/ul	94
71) Pentachlorophenol	16.745	266	17809	4.773	ng/ul	97
72) Phenanthrene	17.134	178	136481	4.715	ng/ul	98
74) Anthracene	17.228	178	133081	4.515	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.140	216	29493	4.312	ng/uL	90
76) Pentachlorobenzene	14.669	250	28133	4.085	ng/uL	91
77) Carbazole	17.498	167	112137	4.233	ng/ul	98
78) Di-n-butylphthalate	18.069	149	140560	4.267	ng/ul	99
80) Fluoranthene	19.157	202	153766	5.062	ng/ul	99
82) Pyrene	19.516	202	173058	5.234	ng/ul	99
83) Butylbenzylphthalate	20.428	149	59526	4.365	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.239	252	36898	4.218	ng/ul#	95
85) Benzo(a)anthracene	21.316	228	163274	4.988	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.245	149	95262	4.809	ng/ul	98
87) Chrysene	21.375	228	152401	4.837	ng/ul	97
89) Di-n-octyl phthalate	22.363	149	132209	4.075	ng/ul	100
90) Benzo(b)fluoranthene	23.345	252	145495	4.920	ng/ul	97
91) Benzo(k)fluoranthene	23.416	252	145043	4.860	ng/ul	95
93) Benzo(a)pyrene	24.145	252	132277	4.686	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.598	276	154185	4.474	ng/ul	97
95) Dibenzo(a,h)anthracene	27.651	278	125759	4.577	ng/ul	98
96) Benzo(g,h,i)perylene	28.621	276	122994m	4.583	ng/ul	

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

