

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032025\
 Data File : BN036691.D
 Acq On : 20 Mar 2025 11:24
 Operator : RC/JU
 Sample : Q1546-03
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 20 13:25:29 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	7.699	152	74760	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	327410	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.345	164	226557	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	487499	20.000	ng/u1	0.00
79) Chrysene-d12	21.333	240	487998	20.000	ng/u1	0.00
88) Perylene-d12	24.286	264	511862	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	8156	4.241	ng/uL	0.00
4) Pyridine-d5	3.599	84	141456	24.066	ng/u1	0.00
7) Phenol-d5	6.875	99	170501	23.879	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	129970	25.585	ng/u1	0.00
11) 2-Chlorophenol-d4	7.234	132	132817	26.453	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	131927	22.376	ng/u1	0.00
21) Nitrobenzene-d5	8.857	128	67737	26.173	ng/u1	0.00
24) 2-Nitrophenol-d4	9.575	143	73014	26.703	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	123025	24.806	ng/u1	0.00
31) 4-Chloroaniline-d4	10.628	131	191145	24.958	ng/u1	0.00
46) Dimethylphthalate-d6	13.757	166	466070	27.354	ng/u1	0.00
49) Acenaphthylene-d8	14.039	160	513718	26.992	ng/u1	0.00
54) 4-Nitrophenol-d4	14.551	143	83908	24.862	ng/u1	0.00
60) Fluorene-d10	15.345	176	385398	26.818	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	79109	23.714	ng/u1	0.00
73) Anthracene-d10	17.192	188	621102	25.891	ng/u1	0.00
81) Pyrene-d10	19.486	212	757294	28.406	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.086	264	748159	29.335	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.228	88	2771m	1.285	ng/uL	
5) Pyridine	3.622	79	28971	4.724	ng/u1#	75
6) Benzaldehyde	6.846	77	22088	5.248	ng/u1	95
8) Phenol	6.899	94	32844	4.290	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.128	93	27500	4.600	ng/u1	99
12) 2-Chlorophenol	7.263	128	24588	4.642	ng/u1	98
13) 2-Methylphenol	8.146	108	21287	3.861	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.222	45	54213	4.725	ng/u1	98
16) Acetophenone	8.522	105	44776	4.468	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.510	70	23393	4.156	ng/u1	91
18) 4-Methylphenol	8.469	108	24858	3.947	ng/u1	97
19) Hexachloroethane	8.775	117	12159	4.994	ng/u1	97
22) Nitrobenzene	8.899	77	39828	5.088	ng/u1	98
23) Isophorone	9.422	82	61068	4.189	ng/u1	99
25) 2-Nitrophenol	9.604	139	14366	4.718	ng/u1	89
26) 2,4-Dimethylphenol	9.669	107	15415	2.395	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.904	93	37582	4.572	ng/u1	100
29) 2,4-Dichlorophenol	10.140	162	22874	4.497	ng/u1	96
30) Naphthalene	10.540	128	85357	4.714	ng/u1	99
32) 4-Chloroaniline	10.651	127	32674	4.408	ng/u1	97
33) Hexachlorobutadiene	10.828	225	16811	5.017	ng/u1	95
34) Caprolactam	11.445	113	8734	4.145	ng/u1	88
35) 4-Chloro-3-methylphenol	11.781	107	25802	3.999	ng/u1	98
36) 2-Methylnaphthalene	12.157	142	57821	4.588	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	55245	4.347	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.528	216	28834	4.539	ng/ul	95
40) Hexachlorocyclopentadiene	12.510	237	18295	4.880	ng/ul	99
41) 2,4,6-Trichlorophenol	12.775	196	17057	4.082	ng/ul	98
42) 2,4,5-Trichlorophenol	12.845	196	19306	4.216	ng/ul	98
43) 1,1'-Biphenyl	13.181	154	79320	4.741	ng/ul	98
44) 2-Chloronaphthalene	13.216	162	61785	4.762	ng/ul	99
45) 2-Nitroaniline	13.422	65	20450	3.927	ng/ul	94
47) Dimethylphthalate	13.804	163	84680	4.929	ng/ul	98
48) 2,6-Dinitrotoluene	13.922	165	13384	3.990	ng/ul#	85
50) Acenaphthylene	14.069	152	97657	4.741	ng/ul	97
51) 3-Nitroaniline	14.251	138	12750	3.520	ng/ul	96
52) Acenaphthene	14.410	153	71302	4.801	ng/ul	96
53) 2,4-Dinitrophenol	14.457	184	10640	4.613	ng/ul	92
55) 4-Nitrophenol	14.563	109	15816	4.760	ng/ul	96
56) Dibenzofuran	14.745	168	96734	4.727	ng/ul	100
57) 2,4-Dinitrotoluene	14.716	165	22723	4.424	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	14.975	232	16470	4.303	ng/ul	99
59) Diethylphthalate	15.175	149	85799	4.807	ng/ul	97
61) Fluorene	15.398	166	82714	4.890	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.392	204	38657	4.792	ng/ul	96
63) 4-Nitroaniline	15.422	138	12799m	3.591	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.475	198	18092	5.045	ng/ul#	71
67) N-Nitrosodiphenylamine	15.610	169	66609	4.473	ng/ul	97
68) 4-Bromophenyl-phenylether	16.292	248	21600	4.570	ng/ul	95
69) Hexachlorobenzene	16.404	284	24022	4.562	ng/ul	99
70) Atrazine	16.563	200	27447	4.955	ng/ul	96
71) Pentachlorophenol	16.745	266	17685	4.860	ng/ul	95
72) Phenanthrene	17.133	178	135731	4.807	ng/ul	99
74) Anthracene	17.227	178	130626	4.544	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.139	216	27770	4.163	ng/uL	93
76) Pentachlorobenzene	14.669	250	27801	4.139	ng/uL	98
77) Carbazole	17.498	167	112947	4.372	ng/ul	100
78) Di-n-butylphthalate	18.069	149	140514	4.373	ng/ul	99
80) Fluoranthene	19.157	202	154120	4.940	ng/ul	98
82) Pyrene	19.516	202	171545	5.051	ng/ul	99
83) Butylbenzylphthalate	20.427	149	61518	4.392	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.245	252	39957	4.448	ng/ul	98
85) Benzo(a)anthracene	21.316	228	162527	4.834	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.245	149	90936	4.469	ng/ul	99
87) Chrysene	21.374	228	156500	4.836	ng/ul	99
89) Di-n-octyl phthalate	22.363	149	140123	4.070	ng/ul	100
90) Benzo(b)fluoranthene	23.351	252	153747	4.900	ng/ul	100
91) Benzo(k)fluoranthene	23.410	252	155184	4.901	ng/ul	99
93) Benzo(a)pyrene	24.145	252	142116	4.745	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.598	276	165667	4.530	ng/ul	96
95) Dibenzo(a,h)anthracene	27.650	278	135294	4.641	ng/ul	98
96) Benzo(g,h,i)perylene	28.633	276	131153	4.606	ng/ul	99

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

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