

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120524\
 Data File : BN035419.D
 Acq On : 04 Dec 2024 11:41
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Dec 04 12:13:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:25:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.299	152	108610	20.000	ng/u1	0.00
20) Naphthalene-d8	10.046	136	448341	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.957	164	329848	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.728	188	749936	20.000	ng/u1	0.00
79) Chrysene-d12	20.980	240	799012	20.000	ng/u1	0.00
88) Perylene-d12	23.651	264	884800	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	7662	3.333	ng/uL	0.00
4) Pyridine-d5	3.340	84	76467	12.621	ng/u1	0.00
7) Phenol-d5	6.499	99	97828	12.644	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.658	67	56675	13.135	ng/u1	0.00
11) 2-Chlorophenol-d4	6.840	132	82015	12.509	ng/u1	0.00
15) 4-Methylphenol-d8	8.011	113	80453	11.932	ng/u1	0.00
21) Nitrobenzene-d5	8.440	128	37648	12.925	ng/u1	0.00
24) 2-Nitrophenol-d4	9.146	143	44024	13.058	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.681	165	91844	12.464	ng/u1	0.00
31) 4-Chloroaniline-d4	10.199	131	116450	12.798	ng/u1	0.00
46) Dimethylphthalate-d6	13.387	166	314060	13.260	ng/u1	0.00
49) Acenaphthylene-d8	13.646	160	353086	13.537	ng/u1	0.00
54) 4-Nitrophenol-d4	14.193	143	47228	12.110	ng/u1	0.00
60) Fluorene-d10	14.969	176	274680	13.430	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.098	200	43097	10.897	ng/u1	0.00
73) Anthracene-d10	16.822	188	438542	13.258	ng/u1	0.00
81) Pyrene-d10	19.145	212	555711	13.168	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.469	264	580627	13.552	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.999	88	3340	1.296	ng/uL#	86
5) Pyridine	3.364	79	25643	4.221	ng/u1	92
6) Benzaldehyde	6.464	77	20241	4.850	ng/u1	93
8) Phenol	6.528	94	33896	4.230	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.752	93	27905	4.448	ng/u1	98
12) 2-Chlorophenol	6.869	128	28600	4.191	ng/u1	98
13) 2-Methylphenol	7.752	108	24445	3.929	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	7.822	45	21194	4.274	ng/u1	97
16) Acetophenone	8.111	105	47382	4.450	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.105	70	20052m	3.961	ng/u1	
18) 4-Methylphenol	8.075	108	28755	4.159	ng/u1	96
19) Hexachloroethane	8.352	117	12069	4.140	ng/u1	89
22) Nitrobenzene	8.475	77	32627	4.459	ng/u1	97
23) Isophorone	9.005	82	59187	4.037	ng/u1	99
25) 2-Nitrophenol	9.181	139	16123	4.221	ng/u1	97
26) 2,4-Dimethylphenol	9.258	107	23789	3.107	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.493	93	37596	4.209	ng/u1	99
29) 2,4-Dichlorophenol	9.705	162	31964	4.287	ng/u1	95
30) Naphthalene	10.099	128	102248	4.487	ng/u1	99
32) 4-Chloroaniline	10.216	127	38862	4.459	ng/u1	100
33) Hexachlorobutadiene	10.393	225	23839	4.530	ng/u1	99
34) Caprolactam	10.987	113	8380m	3.890	ng/u1	
35) 4-Chloro-3-methylphenol	11.357	107	30252	3.895	ng/u1	98
36) 2-Methylnaphthalene	11.722	142	73625	4.339	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.952	142	68733	3.952	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.104	216	45743	4.706	ng/ul	95
40) Hexachlorocyclopentadiene	12.093	237	19784	4.051	ng/ul	95
41) 2,4,6-Trichlorophenol	12.363	196	26232	4.161	ng/ul	91
42) 2,4,5-Trichlorophenol	12.434	196	29515	4.202	ng/ul	96
43) 1,1'-Biphenyl	12.775	154	104233	4.579	ng/ul	96
44) 2-Chloronaphthalene	12.810	162	83344	4.577	ng/ul	99
45) 2-Nitroaniline	13.028	65	12678	3.543	ng/ul	97
47) Dimethylphthalate	13.434	163	104349	4.404	ng/ul	98
48) 2,6-Dinitrotoluene	13.546	165	14021	3.550	ng/ul	90
50) Acenaphthylene	13.669	152	128718	4.643	ng/ul	100
51) 3-Nitroaniline	13.875	138	14215	3.476	ng/ul	97
52) Acenaphthene	14.022	153	89900	4.505	ng/ul	94
53) 2,4-Dinitrophenol	14.093	184	14167	5.136	ng/ul	96
55) 4-Nitrophenol	14.204	109	15416	4.185	ng/ul	95
56) Dibenzofuran	14.363	168	132175	4.659	ng/ul	97
57) 2,4-Dinitrotoluene	14.345	165	24223	3.865	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	14.604	232	25291	4.134	ng/ul	99
59) Diethylphthalate	14.828	149	96875	4.183	ng/ul	99
61) Fluorene	15.022	166	106600	4.664	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.034	204	56863	4.869	ng/ul	98
63) 4-Nitroaniline	15.051	138	15768	3.975	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.116	198	18947	4.421	ng/ul	96
67) N-Nitrosodiphenylamine	15.251	169	89226	4.478	ng/ul	100
68) 4-Bromophenyl-phenylether	15.928	248	33471	4.413	ng/ul	98
69) Hexachlorobenzene	16.028	284	41460	4.605	ng/ul	97
70) Atrazine	16.222	200	32218	4.528	ng/ul	97
71) Pentachlorophenol	16.381	266	34775	6.084	ng/ul	98
72) Phenanthrene	16.769	178	180460	4.674	ng/ul	97
74) Anthracene	16.857	178	174415	4.474	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.734	216	41381	4.162	ng/ul	99
76) Pentachlorobenzene	14.287	250	42055	4.109	ng/ul	96
77) Carbazole	17.139	167	154533	4.764	ng/ul	99
78) Di-n-butylphthalate	17.734	149	156515	4.145	ng/ul	99
80) Fluoranthene	18.804	202	219468	4.431	ng/ul	100
82) Pyrene	19.175	202	244082	4.595	ng/ul	99
83) Butylbenzylphthalate	20.128	149	57833	3.863	ng/ul	98
84) 3,3'-Dichlorobenzidine	20.910	252	44699	3.138	ng/ul	96
85) Benzo(a)anthracene	20.963	228	244431	4.557	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	20.939	149	92003	3.898	ng/ul	99
87) Chrysene	21.016	228	232570	4.500	ng/ul	99
89) Di-n-octyl phthalate	21.963	149	142804	3.551	ng/ul	100
90) Benzo(b)fluoranthene	22.810	252	223249	4.377	ng/ul	100
91) Benzo(k)fluoranthene	22.869	252	232121	4.445	ng/ul	97
93) Benzo(a)pyrene	23.521	252	203652	4.255	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.586	276	231208	4.049	ng/ul	99
95) Dibenzo(a,h)anthracene	26.645	278	189171m	4.089	ng/ul	
96) Benzo(g,h,i)perylene	27.492	276	176611	4.075	ng/ul	98

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

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