

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011624\
 Data File : BN029244.D
 Acq On : 16 Jan 2024 12:06
 Operator : MA/JU
 Sample : 02215-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Jan 17 01:22:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 16 03:57:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	112456	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.734	136	501644	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.575	164	345005	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.334	188	803585	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	836205	20.000	ng/u1	0.00
88) Perylene-d12	23.957	264	1005484	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	13851	5.087	ng/uL	0.00
4) Pyridine-d5	3.776	84	181321	21.589	ng/u1	0.00
7) Phenol-d5	7.093	99	213740	19.810	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.269	67	144094	21.174	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.458	132	165679	21.707	ng/u1	-0.01
15) 4-Methylphenol-d8	8.640	113	175184	20.137	ng/u1	-0.01
21) Nitrobenzene-d5	9.099	128	83888	23.051	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.822	143	66678	22.093	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.352	165	155468	20.694	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.881	131	268434	19.743	ng/u1	0.00
46) Dimethylphthalate-d6	13.999	166	607705	21.399	ng/u1	0.00
49) Acenaphthylene-d8	14.269	160	689557	21.560	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	90825	18.376	ng/u1	0.00
60) Fluorene-d10	15.575	176	529506	21.878	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.693	200	49008	14.502	ng/u1	0.00
73) Anthracene-d10	17.434	188	829922	20.544	ng/u1	0.00
81) Pyrene-d10	19.733	212	1035752	22.291	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	1140905	22.016	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	3139	1.136	ng/uL#	81
5) Pyridine	3.799	79	36296	4.230	ng/u1#	72
6) Benzaldehyde	7.075	77	31045	6.411	ng/u1	96
8) Phenol	7.117	94	43228	3.942	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.364	93	36568	4.108	ng/u1	98
12) 2-Chlorophenol	7.493	128	34172	4.301	ng/u1	95
13) 2-Methylphenol	8.375	108	31478	3.768	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.464	45	49360	4.337	ng/u1	98
16) Acetophenone	8.764	105	60352	4.094	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.746	70	32435	4.181	ng/u1	96
18) 4-Methylphenol	8.699	108	34216	3.806	ng/u1	95
19) Hexachloroethane	9.005	117	15079	4.180	ng/u1	91
22) Nitrobenzene	9.140	77	45215	4.494	ng/u1	97
23) Isophorone	9.663	82	88385	4.133	ng/u1	99
25) 2-Nitrophenol	9.852	139	15479	4.380	ng/u1	97
26) 2,4-Dimethylphenol	9.910	107	39402	4.170	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.163	93	52383	4.351	ng/u1	97
29) 2,4-Dichlorophenol	10.381	162	31972	4.327	ng/u1	94
30) Naphthalene	10.787	128	126080	4.408	ng/u1	98
32) 4-Chloroaniline	10.905	127	53433	4.040	ng/u1	93
33) Hexachlorobutadiene	11.063	225	22652	4.344	ng/u1	91
34) Caprolactam	11.693	113	12878m	4.301	ng/u1	
35) 4-Chloro-3-methylphenol	12.022	107	33794	3.855	ng/u1	91
36) 2-Methylnaphthalene	12.399	142	85664	4.282	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.616	142	88352	4.451	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.763	216	46048	4.283	ng/ul	98
40) Hexachlorocyclopentadiene	12.734	237	32020	4.448	ng/ul	96
41) 2,4,6-Trichlorophenol	13.010	196	20953	3.517	ng/ul	97
42) 2,4,5-Trichlorophenol	13.069	196	25170	3.763	ng/ul	95
43) 1,1'-Biphenyl	13.416	154	115930	4.170	ng/ul	98
44) 2-Chloronaphthalene	13.451	162	92763	4.271	ng/ul	98
45) 2-Nitroaniline	13.663	65	20740	3.603	ng/ul	93
47) Dimethylphthalate	14.046	163	121731	4.209	ng/ul	99
48) 2,6-Dinitrotoluene	14.163	165	16623	3.555	ng/ul	98
50) Acenaphthylene	14.299	152	158873	4.281	ng/ul	100
51) 3-Nitroaniline	14.487	138	18376	3.618	ng/ul	99
52) Acenaphthene	14.640	153	103312	4.242	ng/ul	96
53) 2,4-Dinitrophenol	14.693	184	7787	3.897	ng/ul	94
55) 4-Nitrophenol	14.787	109	20484	4.524	ng/ul	98
56) Dibenzofuran	14.975	168	141276	4.289	ng/ul	98
57) 2,4-Dinitrotoluene	14.946	165	24800	3.622	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.198	232	19384	3.513	ng/ul	97
59) Diethylphthalate	15.410	149	124258	4.119	ng/ul	98
61) Fluorene	15.628	166	118229	4.144	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.628	204	60183	4.317	ng/ul	100
63) 4-Nitroaniline	15.651	138	21740m	4.347	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.704	198	13544	3.480	ng/ul#	86
67) N-Nitrosodiphenylamine	15.845	169	99364	4.078	ng/ul	96
68) 4-Bromophenyl-phenylether	16.528	248	33687	3.750	ng/ul	97
69) Hexachlorobenzene	16.622	284	46133	4.267	ng/ul	94
70) Atrazine	16.804	200	41727	4.510	ng/ul	95
71) Pentachlorophenol	16.975	266	22757	3.896	ng/ul	92
72) Phenanthrene	17.369	178	195526	4.194	ng/ul	97
74) Anthracene	17.463	178	192807	3.982	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.369	216	44882	4.131	ng/uL	94
76) Pentachlorobenzene	14.887	250	51708	4.598	ng/uL	100
77) Carbazole	17.739	167	169427	3.784	ng/ul	98
78) Di-n-butylphthalate	18.322	149	196851	3.606	ng/ul	99
80) Fluoranthene	19.392	202	229073	4.172	ng/ul	100
82) Pyrene	19.757	202	249026	4.270	ng/ul	100
83) Butylbenzylphthalate	20.686	149	75421	3.308	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.463	252	68815	3.547	ng/ul	93
85) Benzo(a)anthracene	21.522	228	261191	4.239	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.480	149	128030	3.400	ng/ul	99
87) Chrysene	21.575	228	239933	4.210	ng/ul	99
89) Di-n-octyl phthalate	22.427	149	202549	2.858	ng/ul	100
90) Benzo(b)fluoranthene	23.216	252	252867	3.966	ng/ul	98
91) Benzo(k)fluoranthene	23.269	252	264035	4.156	ng/ul	98
93) Benzo(a)pyrene	23.845	252	245139	4.055	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.457	276	294170	3.844	ng/ul	99
95) Dibenzo(a,h)anthracene	26.492	278	247382	3.877	ng/ul	99
96) Benzo(g,h,i)perylene	27.221	276	234825	3.843	ng/ul	98

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

