

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120224\
 Data File : BN035388.D
 Acq On : 02 Dec 2024 16:17
 Operator : RC/JU
 Sample : SSTD08096
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080235

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 18:20:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:09:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.305	152	103146	20.000	ng/u1	0.00
20) Naphthalene-d8	10.052	136	447494	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.963	164	330775	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.734	188	728110	20.000	ng/u1	0.00
79) Chrysene-d12	20.992	240	657557	20.000	ng/u1	0.01
88) Perylene-d12	23.669	264	800152	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.958	96	64086	29.358	ng/uL	0.00
4) Pyridine-d5	3.340	84	452705	78.677	ng/u1	0.00
7) Phenol-d5	6.517	99	593706	80.798	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.669	67	325504	79.433	ng/u1	0.00
11) 2-Chlorophenol-d4	6.852	132	496806	79.786	ng/u1	0.00
15) 4-Methylphenol-d8	8.034	113	509176	79.514	ng/u1	0.02
21) Nitrobenzene-d5	8.452	128	248489	85.470	ng/u1	0.01
24) 2-Nitrophenol-d4	9.158	143	300825	89.394	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.693	165	565312	76.862	ng/u1	0.00
31) 4-Chloroaniline-d4	10.210	131	716072	78.848	ng/u1	0.01
46) Dimethylphthalate-d6	13.404	166	1717981	72.333	ng/u1	0.01
49) Acenaphthylene-d8	13.651	160	1889156	72.225	ng/u1	0.00
54) 4-Nitrophenol-d4	14.222	143	322069	82.349	ng/u1	0.02
60) Fluorene-d10	14.975	176	1398903	68.203	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.122	200	328253	85.484	ng/u1	0.02
73) Anthracene-d10	16.834	188	2222769	69.214	ng/u1	0.00
81) Pyrene-d10	19.157	212	2510957	72.300	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.498	264	2949480	76.123	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	68846	28.127	ng/uL#	97
5) Pyridine	3.358	79	456295	79.080	ng/u1	96
6) Benzaldehyde	6.464	77	259840	65.560	ng/u1	98
8) Phenol	6.540	94	606010	79.630	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.758	93	466628	78.321	ng/u1	99
12) 2-Chlorophenol	6.881	128	496715	76.652	ng/u1	99
13) 2-Methylphenol	7.758	108	475902	80.539	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	7.828	45	362764	77.037	ng/u1	100
16) Acetophenone	8.122	105	769070	76.047	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.140	70	362302	75.356	ng/u1	99
18) 4-Methylphenol	8.099	108	512200	78.011	ng/u1	100
19) Hexachloroethane	8.358	117	213891	77.257	ng/u1	96
22) Nitrobenzene	8.493	77	572906	78.452	ng/u1	96
23) Isophorone	9.022	82	1109876	75.844	ng/u1	99
25) 2-Nitrophenol	9.193	139	317167	83.189	ng/u1	99
26) 2,4-Dimethylphenol	9.275	107	573847	75.091	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.505	93	652790	73.229	ng/u1	98
29) 2,4-Dichlorophenol	9.722	162	562536	75.589	ng/u1	97
30) Naphthalene	10.105	128	1636008	71.938	ng/u1	99
32) 4-Chloroaniline	10.234	127	681649	78.353	ng/u1	98
33) Hexachlorobutadiene	10.399	225	382149	72.760	ng/u1	99
34) Caprolactam	11.040	113	182883m	85.066	ng/u1	
35) 4-Chloro-3-methylphenol	11.381	107	589059	75.986	ng/u1	98
36) 2-Methylnaphthalene	11.734	142	1185918	70.027	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.957	142	1215923	70.036	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.116	216	697484	71.551	ng/ul	99
40) Hexachlorocyclopentadiene	12.099	237	410483	83.820	ng/ul	93
41) 2,4,6-Trichlorophenol	12.375	196	487902	77.182	ng/ul	97
42) 2,4,5-Trichlorophenol	12.446	196	538339	76.434	ng/ul	98
43) 1,1'-Biphenyl	12.787	154	1604084	70.267	ng/ul	98
44) 2-Chloronaphthalene	12.822	162	1281247	70.169	ng/ul	96
45) 2-Nitroaniline	13.046	65	331622	92.405	ng/ul	95
47) Dimethylphthalate	13.451	163	1702234	71.640	ng/ul	98
48) 2,6-Dinitrotoluene	13.569	165	361631	91.315	ng/ul	99
50) Acenaphthylene	13.687	152	1974100	71.007	ng/ul	99
51) 3-Nitroaniline	13.893	138	332296	81.017	ng/ul	98
52) Acenaphthene	14.034	153	1393516	69.640	ng/ul	98
53) 2,4-Dinitrophenol	14.104	184	254564	92.026	ng/ul	99
55) 4-Nitrophenol	14.240	109	300659	81.395	ng/ul	92
56) Dibenzofuran	14.375	168	1912872	67.233	ng/ul	97
57) 2,4-Dinitrotoluene	14.363	165	514891	81.932	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	14.610	232	448397	73.081	ng/ul	95
59) Diethylphthalate	14.846	149	1692075	72.865	ng/ul	99
61) Fluorene	15.034	166	1459059	63.659	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.040	204	737497	62.974	ng/ul	91
63) 4-Nitroaniline	15.081	138	303401m	76.239	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.140	198	342578	82.340	ng/ul#	98
67) N-Nitrosodiphenylamine	15.263	169	1367838	70.713	ng/ul	99
68) 4-Bromophenyl-phenylether	15.940	248	524892	71.283	ng/ul	97
69) Hexachlorobenzene	16.040	284	607676	69.522	ng/ul	95
70) Atrazine	16.245	200	538634	77.965	ng/ul	98
71) Pentachlorophenol	16.392	266	451184	81.304	ng/ul	98
72) Phenanthrene	16.781	178	2537459	67.688	ng/ul	100
74) Anthracene	16.875	178	2552067	67.426	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.740	216	721488	74.736	ng/ul	98
76) Pentachlorobenzene	14.298	250	699781	70.414	ng/ul	99
77) Carbazole	17.151	167	2372595	75.330	ng/ul	99
78) Di-n-butylphthalate	17.745	149	2768808	75.520	ng/ul	100
80) Fluoranthene	18.816	202	2937657	72.071	ng/ul	100
82) Pyrene	19.186	202	3081097	70.485	ng/ul	100
83) Butylbenzylphthalate	20.139	149	1090045	88.476	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.916	252	950931	81.111	ng/ul	98
85) Benzo(a)anthracene	20.975	228	3089916	69.996	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.945	149	1655062	85.197	ng/ul	100
87) Chrysene	21.033	228	2947251	69.292	ng/ul	98
89) Di-n-octyl phthalate	21.975	149	3051566	83.899	ng/ul	100
90) Benzo(b)fluoranthene	22.839	252	3378502	73.252	ng/ul	99
91) Benzo(k)fluoranthene	22.898	252	3350911	70.952	ng/ul	97
93) Benzo(a)pyrene	23.557	252	3139969	72.539	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.633	276	3903483m	75.598	ng/ul	
95) Dibenzo(a,h)anthracene	26.692	278	3120675	74.594	ng/ul	100
96) Benzo(g,h,i)perylene	27.562	276	2973350	75.871	ng/ul	98

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

