

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042924\
 Data File : BN031308.D
 Acq On : 29 Apr 2024 15:00
 Operator : MA/JU
 Sample : SSTD08048
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080228

Quant Time: Apr 29 15:34:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 29 14:23:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	242633	20.000	ng/u1	0.00
20) Naphthalene-d8	10.398	136	1102272	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.269	164	692387	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.022	188	1419192	20.000	ng/u1	0.00
79) Chrysene-d12	21.263	240	1040698	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	939327	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	162732	32.088	ng/uL	0.00
4) Pyridine-d5	3.534	84	1224381	80.338	ng/u1	0.00
7) Phenol-d5	6.805	99	1633772	84.784	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.969	67	933295	79.615	ng/u1	0.00
11) 2-Chlorophenol-d4	7.157	132	1297742	88.324	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	1331781	82.501	ng/u1	0.01
21) Nitrobenzene-d5	8.781	128	674781	90.384	ng/u1	0.00
24) 2-Nitrophenol-d4	9.499	143	758839	106.988	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.028	165	1273091	85.129	ng/u1	0.00
31) 4-Chloroaniline-d4	10.551	131	1822163	75.277	ng/u1	0.01
46) Dimethylphthalate-d6	13.692	166	3545799	79.471	ng/u1	0.01
49) Acenaphthylene-d8	13.963	160	4182882	81.587	ng/u1	0.00
54) 4-Nitrophenol-d4	14.504	143	716917	84.620	ng/u1	0.02
60) Fluorene-d10	15.269	176	2876935	74.009	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	665570	103.672	ng/u1	0.02
73) Anthracene-d10	17.122	188	4385130	74.438	ng/u1	0.00
81) Pyrene-d10	19.427	212	4849466	86.480	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	3780712	90.363	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.169	88	171899	31.518	ng/uL	93
5) Pyridine	3.558	79	1213448	79.233	ng/u1	99
6) Benzaldehyde	6.775	77	735855	82.326	ng/u1	97
8) Phenol	6.834	94	1651226	82.662	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.057	93	1324024	81.592	ng/u1	98
12) 2-Chlorophenol	7.187	128	1314026	83.911	ng/u1	97
13) 2-Methylphenol	8.069	108	1286169	83.298	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.152	45	1709593m	75.630	ng/u1	
16) Acetophenone	8.452	105	1874102	74.549	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.452	70	935929	73.680	ng/u1	99
18) 4-Methylphenol	8.410	108	1362809	79.194	ng/u1	99
19) Hexachloroethane	8.681	117	528237	80.745	ng/u1	99
22) Nitrobenzene	8.828	77	1514404	83.279	ng/u1	99
23) Isophorone	9.357	82	2919657	81.314	ng/u1	99
25) 2-Nitrophenol	9.528	139	788059	95.921	ng/u1	97
26) 2,4-Dimethylphenol	9.593	107	1411138	79.821	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.834	93	1768847	77.547	ng/u1	100
29) 2,4-Dichlorophenol	10.057	162	1224989	80.535	ng/u1	97
30) Naphthalene	10.451	128	4137314	76.012	ng/u1	99
32) 4-Chloroaniline	10.575	127	1740074	74.669	ng/u1	98
33) Hexachlorobutadiene	10.722	225	741546	78.380	ng/u1	95
34) Caprolactam	11.393	113	476861m	84.524	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	1435879	84.051	ng/u1	94
36) 2-Methylnaphthalene	12.069	142	2818835	74.404	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.292	142	2818847	73.177	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.440	216	1410080	81.189	ng/ul	98
40) Hexachlorocyclopentadiene	12.416	237	888720	90.065	ng/ul	96
41) 2,4,6-Trichlorophenol	12.692	196	1015012	92.681	ng/ul	96
42) 2,4,5-Trichlorophenol	12.769	196	1100972	89.569	ng/ul	93
43) 1,1'-Biphenyl	13.098	154	3601747	78.552	ng/ul	97
44) 2-Chloronaphthalene	13.140	162	2869619	79.510	ng/ul	96
45) 2-Nitroaniline	13.363	65	920838	94.781	ng/ul	98
47) Dimethylphthalate	13.739	163	3605715	78.203	ng/ul	100
48) 2,6-Dinitrotoluene	13.869	165	814846	94.693	ng/ul	96
50) Acenaphthylene	13.992	152	4527452	76.432	ng/ul	100
51) 3-Nitroaniline	14.198	138	814885	89.219	ng/ul	98
52) Acenaphthene	14.334	153	2998126	75.941	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	498818	118.522	ng/ul	90
55) 4-Nitrophenol	14.522	109	563267	84.077	ng/ul	96
56) Dibenzofuran	14.675	168	3918142	71.529	ng/ul	93
57) 2,4-Dinitrotoluene	14.657	165	1126684	89.625	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.904	232	933694	90.773	ng/ul	96
59) Diethylphthalate	15.110	149	3658094	78.233	ng/ul	99
61) Fluorene	15.328	166	2927139	67.675	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.322	204	1381360	65.199	ng/ul	96
63) 4-Nitroaniline	15.375	138	731115	83.449	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.422	198	690870	100.345	ng/ul#	98
67) N-Nitrosodiphenylamine	15.545	169	2798958	75.074	ng/ul	97
68) 4-Bromophenyl-phenylether	16.216	248	1032663	78.906	ng/ul	92
69) Hexachlorobenzene	16.322	284	1156508	76.070	ng/ul	98
70) Atrazine	16.504	200	971258	75.478	ng/ul	96
71) Pentachlorophenol	16.669	266	804417	87.958	ng/ul	94
72) Phenanthrene	17.069	178	5181685	73.820	ng/ul	99
74) Anthracene	17.157	178	5104492	72.047	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.057	216	1437642	84.188	ng/ul	99
76) Pentachlorobenzene	14.592	250	1323586	76.889	ng/ul	97
77) Carbazole	17.433	167	4789953	77.089	ng/ul	98
78) Di-n-butylphthalate	17.998	149	6114031	80.418	ng/ul	100
80) Fluoranthene	19.086	202	5654816	84.578	ng/ul	98
82) Pyrene	19.457	202	5698537	81.142	ng/ul	99
83) Butylbenzylphthalate	20.369	149	2699738	99.281	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.180	252	1492676	80.717	ng/ul	99
85) Benzo(a)anthracene	21.245	228	5293115	78.384	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.169	149	3373881	86.616	ng/ul	99
87) Chrysene	21.304	228	4837335	76.008	ng/ul	98
89) Di-n-octyl phthalate	22.268	149	6162398	103.737	ng/ul	100
90) Benzo(b)fluoranthene	23.239	252	4681459	87.307	ng/ul	96
91) Benzo(k)fluoranthene	23.304	252	4683646	86.775	ng/ul	97
93) Benzo(a)pyrene	24.027	252	4243146	84.411	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.403	276	4930036	90.264	ng/ul	97
95) Dibenzo(a,h)anthracene	27.468	278	4008235m	87.105	ng/ul	
96) Benzo(g,h,i)perylene	28.421	276	3976784	92.225	ng/ul	99

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

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