

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031911.D
 Acq On : 11 Jun 2024 15:06
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020283

Quant Time: Jun 11 15:51:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.664	152	307439	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.440	136	1403514	20.000	ng/u1	-0.03
38) Acenaphthene-d10	14.304	164	953234	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.057	188	1993791	20.000	ng/u1	-0.01
79) Chrysene-d12	21.292	240	1925631	20.000	ng/u1	-0.01
88) Perylene-d12	24.221	264	2191910	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.176	96	55278	7.438	ng/uL	-0.02
4) Pyridine-d5	3.581	84	364528	17.426	ng/u1	-0.02
7) Phenol-d5	6.834	99	518374	19.668	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.005	67	314194	20.380	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.193	132	401153	19.948	ng/u1	-0.02
15) 4-Methylphenol-d8	8.369	113	432305	20.122	ng/u1	-0.02
21) Nitrobenzene-d5	8.816	128	213413	19.887	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.534	143	219319	19.785	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.069	165	420979	20.342	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.587	131	571647	18.604	ng/u1	-0.02
46) Dimethylphthalate-d6	13.722	166	1319289	19.866	ng/u1	-0.02
49) Acenaphthylene-d8	13.998	160	1517173	19.869	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.522	143	255814	19.239	ng/u1	0.00
60) Fluorene-d10	15.298	176	1133851	20.179	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.434	200	203184	20.274	ng/u1	0.00
73) Anthracene-d10	17.151	188	1733571	20.309	ng/u1	-0.02
81) Pyrene-d10	19.457	212	2051896	19.913	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.027	264	2031400	19.409	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.211	88	59431	7.475	ng/uL	98
5) Pyridine	3.605	79	361330	17.275	ng/u1	98
6) Benzaldehyde	6.816	77	230878	18.676	ng/u1	99
8) Phenol	6.864	94	537521	20.040	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.093	93	447782	20.189	ng/u1	100
12) 2-Chlorophenol	7.228	128	420639	19.988	ng/u1	98
13) 2-Methylphenol	8.105	108	412809	19.926	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.181	45	542865	21.262	ng/u1	98
16) Acetophenone	8.481	105	699230	21.475	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.469	70	348065	20.630	ng/u1	96
18) 4-Methylphenol	8.434	108	459612	20.466	ng/u1	95
19) Hexachloroethane	8.728	117	172943	19.406	ng/u1	95
22) Nitrobenzene	8.858	77	509996	19.947	ng/u1	99
23) Isophorone	9.381	82	1011690	19.289	ng/u1	100
25) 2-Nitrophenol	9.563	139	243865	20.136	ng/u1	98
26) 2,4-Dimethylphenol	9.628	107	480935	20.413	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.863	93	638450	19.532	ng/u1	100
29) 2,4-Dichlorophenol	10.093	162	412257	20.175	ng/u1	99
30) Naphthalene	10.493	128	1462823	20.139	ng/u1	99
32) 4-Chloroaniline	10.610	127	575098	19.278	ng/u1	99
33) Hexachlorobutadiene	10.769	225	249927	20.365	ng/u1	96
34) Caprolactam	11.393	113	151221m	18.960	ng/u1	
35) 4-Chloro-3-methylphenol	11.740	107	490910	20.553	ng/u1	99
36) 2-Methylnaphthalene	12.110	142	1013047	20.404	ng/u1	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.334	142	1022104	20.517	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.481	216	505632	20.057	ng/ul	99
40) Hexachlorocyclopentadiene	12.457	237	253875	17.473	ng/ul	96
41) 2,4,6-Trichlorophenol	12.728	196	338076	19.758	ng/ul	99
42) 2,4,5-Trichlorophenol	12.804	196	377565	20.305	ng/ul	99
43) 1,1'-Biphenyl	13.134	154	1335538	19.919	ng/ul	96
44) 2-Chloronaphthalene	13.175	162	1052849	20.049	ng/ul	97
45) 2-Nitroaniline	13.393	65	300735	19.756	ng/ul	93
47) Dimethylphthalate	13.769	163	1372228	20.205	ng/ul	100
48) 2,6-Dinitrotoluene	13.893	165	274879	20.362	ng/ul	98
50) Acenaphthylene	14.028	152	1748105	20.257	ng/ul	99
51) 3-Nitroaniline	14.222	138	304085	21.067	ng/ul	96
52) Acenaphthene	14.369	153	1155396	20.235	ng/ul	97
53) 2,4-Dinitrophenol	14.434	184	129144	18.949	ng/ul	98
55) 4-Nitrophenol	14.534	109	198591	20.134	ng/ul	98
56) Dibenzofuran	14.704	168	1591606	20.516	ng/ul	99
57) 2,4-Dinitrotoluene	14.687	165	405807	20.486	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.934	232	313132	20.133	ng/ul	96
59) Diethylphthalate	15.140	149	1408706	20.101	ng/ul	99
61) Fluorene	15.357	166	1284927	20.568	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.357	204	613085	20.262	ng/ul	96
63) 4-Nitroaniline	15.393	138	336651	24.501	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.445	198	221699	20.810	ng/ul#	94
67) N-Nitrosodiphenylamine	15.569	169	1102840	20.067	ng/ul	96
68) 4-Bromophenyl-phenylether	16.251	248	396294	20.514	ng/ul	94
69) Hexachlorobenzene	16.351	284	449924	20.549	ng/ul	98
70) Atrazine	16.528	200	263821	15.204	ng/ul	96
71) Pentachlorophenol	16.704	266	284334	20.298	ng/ul	89
72) Phenanthrene	17.098	178	2057840	20.261	ng/ul	100
74) Anthracene	17.187	178	2155018	20.940	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.093	216	511258	19.922	ng/ul	94
76) Pentachlorobenzene	14.622	250	515800	20.635	ng/ul	98
77) Carbazole	17.463	167	1934451	22.044	ng/ul	99
78) Di-n-butylphthalate	18.028	149	2442231	20.229	ng/ul	100
80) Fluoranthene	19.116	202	2451823	19.909	ng/ul	100
82) Pyrene	19.486	202	2562311	20.279	ng/ul	96
83) Butylbenzylphthalate	20.392	149	1113496	18.659	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.204	252	512909	13.890	ng/ul	99
85) Benzo(a)anthracene	21.275	228	2594864	20.132	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.204	149	1635189	18.797	ng/ul	100
87) Chrysene	21.339	228	2436518	20.238	ng/ul	99
89) Di-n-octyl phthalate	22.316	149	2862410	19.506	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	2591884	19.783	ng/ul	99
91) Benzo(k)fluoranthene	23.363	252	2539300	19.752	ng/ul	98
93) Benzo(a)pyrene	24.086	252	2462137	20.065	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.521	276	2747338	19.429	ng/ul	98
95) Dibenzo(a,h)anthracene	27.574	278	2313959	20.044	ng/ul	97
96) Benzo(g,h,i)perylene	28.557	276	2169175m	19.298	ng/ul	

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

