

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021522\
 Data File : BN018612.D
 Acq On : 15 Feb 2022 13:26
 Operator : CG/JU
 Sample : SSTD04019
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040226

Quant Time: Feb 15 17:43:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN021522.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 15 17:38:23 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/16/2022
 Supervised By :mohammad ahmed 02/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	209822	20.000	ng/u1	0.00
20) Naphthalene-d8	10.713	136	789687	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.543	164	446149	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.268	188	788254	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.458	240	851183	20.000	ng/u1	# 0.00
88) Perylene-d12	23.846	264	712931	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	70398	14.785	ng/uL	0.02
4) Pyridine-d5	3.685	84	641719	39.769	ng/u1	0.00
7) Phenol-d5	7.042	99	644573	37.907	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.222	67	410033	39.707	ng/u1	0.00
11) 2-Chlorophenol-d4	7.425	132	526925	39.020	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	491726	37.507	ng/u1	0.00
21) Nitrobenzene-d5	9.069	128	243423	41.027	ng/u1	0.02
24) 2-Nitrophenol-d4	9.790	143	268232	41.882	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.330	165	488366	39.645	ng/u1	0.00
31) 4-Chloroaniline-d4	10.849	131	612278	37.989	ng/u1	0.02
46) Dimethylphthalate-d6	13.934	166	1173511	36.762	ng/u1	0.00
49) Acenaphthylene-d8	14.227	160	1670690	38.219	ng/u1	0.00
54) 4-Nitrophenol-d4	14.723	143	217160	40.383	ng/u1	0.00
60) Fluorene-d10	15.534	176	1047598	38.810	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.646	200	191002	40.152	ng/u1	0.00
73) Anthracene-d10	17.381	188	1540109	40.031	ng/u1	0.00
81) Pyrene-d10	19.656	212	1528041	36.736	ng/u1	-0.02
92) Benzo(a)pyrene-d12	23.711	264	1507445	40.814	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.302	88	94166	15.401	ng/uL#	88
5) Pyridine	3.708	79	616125	38.903	ng/u1	95
6) Benzaldehyde	7.019	77	381293	40.033	ng/u1	94
8) Phenol	7.087	94	681154	39.536	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.312	93	549245	38.682	ng/u1	99
12) 2-Chlorophenol	7.470	128	542417	38.962	ng/u1#	83
13) 2-Methylphenol	8.348	108	487280	38.121	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.438	45	738923	38.809	ng/u1	99
16) Acetophenone	8.731	105	748961	38.033	ng/u1	89
17) N-Nitroso-di-n-propyla...	8.709	70	383998	38.324	ng/u1	91
18) 4-Methylphenol	8.664	108	524686	37.948	ng/u1	96
19) Hexachloroethane	9.001	117	227342	38.966	ng/u1#	80
22) Nitrobenzene	9.091	77	580474	38.739	ng/u1	95
23) Isophorone	9.632	82	1066129	41.541	ng/u1#	94
25) 2-Nitrophenol	9.812	139	284708	40.278	ng/u1	97
26) 2,4-Dimethylphenol	9.880	107	601964	40.239	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.105	93	637002	36.922	ng/u1	100
29) 2,4-Dichlorophenol	10.353	162	502426	39.200	ng/u1	98
30) Naphthalene	10.758	128	1620412	37.238	ng/u1	100
32) 4-Chloroaniline	10.871	127	633395	38.110	ng/u1	98
33) Hexachlorobutadiene	11.051	225	349336	38.909	ng/u1	99
34) Caprolactam	11.614	113	129793	38.737	ng/u1	81
35) 4-Chloro-3-methylphenol	11.975	107	474629	37.329	ng/u1	90
36) 2-Methylnaphthalene	12.380	142	1035833	37.402	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.583	142	1052534	35.974	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.741	216	610866	38.040	ng/ul	96
40) Hexachlorocyclopentadiene	12.718	237	385276	39.053	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.966	196	356142m	40.160	ng/ul	
42) 2,4,5-Trichlorophenol	13.033	196	369268	38.804	ng/ul	99
43) 1,1'-Biphenyl	13.371	154	1427040	37.503	ng/ul	99
44) 2-Chloronaphthalene	13.416	162	1123129	38.187	ng/ul	96
45) 2-Nitroaniline	13.597	65	273213	40.480	ng/ul#	81
47) Dimethylphthalate	13.980	163	1122797	35.583	ng/ul#	98
48) 2,6-Dinitrotoluene	14.115	165	234507	40.706	ng/ul#	74
50) Acenaphthylene	14.250	152	1597302	37.543	ng/ul	100
51) 3-Nitroaniline	14.430	138	263233	45.953	ng/ul	86
52) Acenaphthene	14.610	153	1023837	37.212	ng/ul	98
53) 2,4-Dinitrophenol	14.633	184	148941	40.512	ng/ul#	90
55) 4-Nitrophenol	14.723	109	172495	35.175	ng/ul	91
56) Dibenzofuran	14.926	168	1464336	36.795	ng/ul#	87
57) 2,4-Dinitrotoluene	14.881	165	321721	37.834	ng/ul#	72
58) 2,3,4,6-Tetrachlorophenol	15.151	232	284279	40.099	ng/ul#	65
59) Diethylphthalate	15.354	149	1344653	41.906	ng/ul	99
61) Fluorene	15.579	166	1174633	36.048	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.579	204	618819	36.825	ng/ul	97
63) 4-Nitroaniline	15.579	138	201590	43.488	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.646	198	187692	36.277	ng/ul#	82
67) N-Nitrosodiphenylamine	15.782	169	1049645	38.027	ng/ul	99
68) 4-Bromophenyl-phenylether	16.480	248	329073	39.145	ng/ul#	80
69) Hexachlorobenzene	16.592	284	435579	38.715	ng/ul	96
70) Atrazine	16.728	200	358862	37.386	ng/ul	94
71) Pentachlorophenol	16.930	266	254073	39.584	ng/ul	96
72) Phenanthrene	17.313	178	1808973	37.950	ng/ul	98
74) Anthracene	17.403	178	1761812	37.414	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.349	216	655587	40.564	ng/uL	96
76) Pentachlorobenzene	14.858	250	538835	38.084	ng/uL	97
77) Carbazole	17.674	167	1649580	40.081	ng/ul	98
78) Di-n-butylphthalate	18.237	149	1897360	43.204	ng/ul	99
80) Fluoranthene	19.341	202	1782283	35.949	ng/ul#	87
82) Pyrene	19.701	202	2038448	37.387	ng/ul#	88
83) Butylbenzylphthalate	20.579	149	566679	42.078	ng/ul#	71
84) 3,3'-Dichlorobenzidine	21.368	252	663455	44.095	ng/ul	99
85) Benzo(a)anthracene	21.435	228	1812081	34.674	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.368	149	1427462	45.966	ng/ul#	96
87) Chrysene	21.503	228	1572776	35.597	ng/ul	99
89) Di-n-octyl phthalate	22.291	149	2201070	45.152	ng/ul	100
90) Benzo(b)fluoranthene	23.125	252	1999577	40.462	ng/ul	99
91) Benzo(k)fluoranthene	23.170	252	1688613	38.528	ng/ul	97
93) Benzo(a)pyrene	23.756	252	1925546m	41.212	ng/ul	
94) Indeno(1,2,3-cd)pyrene	26.346	276	2161580	40.727	ng/ul	96
95) Dibenzo(a,h)anthracene	26.369	278	1795610	39.937	ng/ul	98
96) Benzo(g,h,i)perylene	27.112	276	1838727	40.628	ng/ul	97

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

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