

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010622\
 Data File : BG051888.D
 Acq On : 6 Jan 2022 11:30
 Operator : CG/JU
 Sample : SSTD02044
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020444

Quant Time: Jan 06 13:33:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 06 13:28:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/07/2022
 Supervised By :mohammad ahmed 01/12/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	25532	20.000	ng/u1	0.00
20) Naphthalene-d8	11.090	136	110517	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.891	164	79263	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.640	188	206457	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.958	240	216128	20.000	ng/u1	# 0.00
88) Perylene-d12	25.441	264	227224	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.577	96	6543	10.643	ng/uL	0.00
4) Pyridine-d5	4.006	84	47206	25.413	ng/u1	0.00
7) Phenol-d5	7.389	99	49296	21.624	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.560	67	33291	24.565	ng/u1	0.00
11) 2-Chlorophenol-d4	7.777	132	35330	22.283	ng/u1	0.00
15) 4-Methylphenol-d8	8.952	113	39636	22.493	ng/u1	0.00
21) Nitrobenzene-d5	9.422	128	17950	22.153	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	19986	22.564	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.702	165	38505	20.046	ng/u1	0.00
31) 4-Chloroaniline-d4	11.214	131	53477	21.146	ng/u1	0.00
46) Dimethylphthalate-d6	14.280	166	137934	21.742	ng/u1	0.00
49) Acenaphthylene-d8	14.585	160	166114	21.083	ng/u1	0.00
54) 4-Nitrophenol-d4	15.067	143	23104	22.394	ng/u1	0.00
60) Fluorene-d10	15.878	176	118503	20.849	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.984	200	26501	24.637	ng/u1	0.00
73) Anthracene-d10	17.740	188	204312	20.745	ng/u1	0.00
81) Pyrene-d10	20.013	212	263821	20.282	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.195	264	244400	20.442	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.618	88	6566	10.233	ng/uL#	93
5) Pyridine	4.029	79	48336	25.938	ng/u1	93
6) Benzaldehyde	7.378	77	39049	27.455	ng/u1	98
8) Phenol	7.419	94	53332	23.528	ng/u1	89
10) Bis(2-Chloroethyl)ether	7.654	93	40008	23.135	ng/u1	98
12) 2-Chlorophenol	7.812	128	36015	22.144	ng/u1	99
13) 2-Methylphenol	8.688	108	38364	22.431	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.776	45	60975	25.994	ng/u1#	95
16) Acetophenone	9.075	105	62987	22.756	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.058	70	39932	24.043	ng/u1#	88
18) 4-Methylphenol	9.016	108	41488	23.015	ng/u1	93
19) Hexachloroethane	9.357	117	15581	21.956	ng/u1#	84
22) Nitrobenzene	9.463	77	56866	24.129	ng/u1	91
23) Isophorone	9.992	82	107110	22.638	ng/u1	99
25) 2-Nitrophenol	10.191	139	21741	22.962	ng/u1	90
26) 2,4-Dimethylphenol	10.232	107	48052	21.064	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.473	93	54472	21.681	ng/u1	97
29) 2,4-Dichlorophenol	10.732	162	37669	20.611	ng/u1	96
30) Naphthalene	11.143	128	122178	20.520	ng/u1	99
32) 4-Chloroaniline	11.243	127	53774	20.823	ng/u1	97
33) Hexachlorobutadiene	11.431	225	30583	19.710	ng/u1	94
34) Caprolactam	11.983	113	14842m	26.823	ng/u1	
35) 4-Chloro-3-methylphenol	12.347	107	45988	22.457	ng/u1	93
36) 2-Methylnaphthalene	12.735	142	87134	20.513	ng/u1	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.952	142	91891	20.834	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	13.099	216	57620	20.899	ng/ul	93
40) Hexachlorocyclopentadiene	13.082	237	38729	19.347	ng/ul	97
41) 2,4,6-Trichlorophenol	13.328	196	36825	22.064	ng/ul	88
42) 2,4,5-Trichlorophenol	13.399	196	40447	23.124	ng/ul	98
43) 1,1'-Biphenyl	13.728	154	128735	21.203	ng/ul	98
44) 2-Chloronaphthalene	13.775	162	98531	20.991	ng/ul	99
45) 2-Nitroaniline	13.969	65	37818	26.373	ng/ul	98
47) Dimethylphthalate	14.327	163	137110	22.261	ng/ul	99
48) 2,6-Dinitrotoluene	14.450	165	28117	23.880	ng/ul	96
50) Acenaphthylene	14.615	152	162750	21.112	ng/ul	97
51) 3-Nitroaniline	14.779	138	27707	24.609	ng/ul	90
52) Acenaphthene	14.955	153	107755	21.158	ng/ul	93
53) 2,4-Dinitrophenol	14.985	184	15453	22.704	ng/ul	90
55) 4-Nitrophenol	15.079	109	26047	23.532	ng/ul	92
56) Dibenzofuran	15.284	168	159576	21.276	ng/ul	98
57) 2,4-Dinitrotoluene	15.232	165	41530	24.886	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.508	232	36925	22.212	ng/ul#	88
59) Diethylphthalate	15.684	149	138319	21.558	ng/ul	98
61) Fluorene	15.937	166	130079	21.049	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.919	204	73670	21.402	ng/ul	95
63) 4-Nitroaniline	15.937	138	30224	26.175	ng/ul	88
66) 4,6-Dinitro-2-methylph...	16.001	198	24589	23.277	ng/ul#	99
67) N-Nitrosodiphenylamine	16.130	169	115178	20.741	ng/ul	97
68) 4-Bromophenyl-phenylether	16.818	248	50475	24.006	ng/ul	90
69) Hexachlorobenzene	16.947	284	55642	21.059	ng/ul#	89
70) Atrazine	17.070	200	53772	21.579	ng/ul	98
71) Pentachlorophenol	17.288	266	29442	18.187	ng/ul	97
72) Phenanthrene	17.681	178	225599	21.245	ng/ul	99
74) Anthracene	17.775	178	222504	20.741	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.698	216	64539	20.320	ng/uL	97
76) Pentachlorobenzene	15.214	250	61800	20.354	ng/uL	98
77) Carbazole	18.034	167	207366	21.586	ng/ul	98
78) Di-n-butylphthalate	18.580	149	244611	21.159	ng/ul	98
80) Fluoranthene	19.679	202	300359	20.117	ng/ul#	91
82) Pyrene	20.043	202	295664	20.010	ng/ul#	92
83) Butylbenzylphthalate	20.912	149	104716	21.132	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.834	252	110130	21.621	ng/ul#	97
85) Benzo(a)anthracene	21.934	228	296108	21.058	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.817	149	148227	21.355	ng/ul#	99
87) Chrysene	22.005	228	289275	21.294	ng/ul	98
89) Di-n-octyl phthalate	23.121	149	254951	20.832	ng/ul	100
90) Benzo(b)fluoranthene	24.325	252	310764	20.418	ng/ul#	94
91) Benzo(k)fluoranthene	24.396	252	289186	20.290	ng/ul#	96
93) Benzo(a)pyrene	25.271	252	289420	20.149	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.448	276	334756	21.347	ng/ul#	91
95) Dibenzo(a,h)anthracene	29.512	278	283972	21.202	ng/ul#	93
96) Benzo(g,h,i)perylene	30.699	276	281151m	21.156	ng/ul	

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

