

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057321.D
 Acq On : 5 May 2023 17:13
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020477

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 01:03:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	15344	20.000	ng/u1	0.00
20) Naphthalene-d8	11.210	136	64268	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.987	164	50465	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.724	188	123997	20.000	ng/u1	0.00
79) Chrysene-d12	22.042	240	103171	20.000	ng/u1	# 0.00
88) Perylene-d12	25.561	264	108978	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	2584	7.411	ng/uL	0.00
4) Pyridine-d5	4.096	84	20868	18.983	ng/u1	0.00
7) Phenol-d5	7.515	99	30323	20.897	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	15976	18.718	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	20550	21.490	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	23424	21.239	ng/u1	0.00
21) Nitrobenzene-d5	9.553	128	11265	22.010	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	14028	23.486	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	27298	23.689	ng/u1	0.00
31) 4-Chloroaniline-d4	11.339	131	33882	22.184	ng/u1	0.00
46) Dimethylphthalate-d6	14.370	166	85311	21.335	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	99958	22.241	ng/u1	0.00
54) 4-Nitrophenol-d4	15.175	143	10839m	18.622	ng/u1	0.00
60) Fluorene-d10	15.974	176	81954	22.001	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.091	200	14577	19.842	ng/u1	0.00
73) Anthracene-d10	17.824	188	125175	22.116	ng/u1	0.00
81) Pyrene-d10	20.092	212	141789	23.153	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.314	264	120596	21.721	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	3018	8.162	ng/uL	94
5) Pyridine	4.113	79	22097	19.069	ng/u1	92
6) Benzaldehyde	7.497	77	9944	22.437	ng/u1	91
8) Phenol	7.538	94	29760	20.348	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.773	93	21387	19.538	ng/u1	93
12) 2-Chlorophenol	7.932	128	22473	22.374	ng/u1	99
13) 2-Methylphenol	8.813	108	23629	20.846	ng/u1	87
14) 2,2'-oxybis(1-Chloropr...	8.889	45	25040m	17.743	ng/u1	
16) Acetophenone	9.200	105	39739	20.940	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.171	70	20686	18.968	ng/u1#	95
18) 4-Methylphenol	9.142	108	24986	20.365	ng/u1	95
19) Hexachloroethane	9.471	117	9508	22.625	ng/u1	96
22) Nitrobenzene	9.594	77	31847	20.896	ng/u1	95
23) Isophorone	10.111	82	58819	20.285	ng/u1	99
25) 2-Nitrophenol	10.311	139	14320	23.670	ng/u1	98
26) 2,4-Dimethylphenol	10.352	107	30622	22.313	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.587	93	30318	20.114	ng/u1	99
29) 2,4-Dichlorophenol	10.851	162	25432	23.251	ng/u1	97
30) Naphthalene	11.262	128	77796	22.047	ng/u1	99
32) 4-Chloroaniline	11.362	127	34888	21.923	ng/u1	97
33) Hexachlorobutadiene	11.533	225	21695	23.385	ng/u1	94
34) Caprolactam	12.108	113	7727	20.984	ng/u1#	81
35) 4-Chloro-3-methylphenol	12.461	107	28412	22.576	ng/u1	95
36) 2-Methylnaphthalene	12.843	142	58026	22.423	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.054	142	59771	22.971	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.201	216	42744	23.308	ng/ul	99
40) Hexachlorocyclopentadiene	13.172	237	21808	23.829	ng/ul	92
41) 2,4,6-Trichlorophenol	13.436	196	25251	23.642	ng/ul	99
42) 2,4,5-Trichlorophenol	13.512	196	26459	23.073	ng/ul#	90
43) 1,1'-Biphenyl	13.824	154	85745	22.268	ng/ul	98
44) 2-Chloronaphthalene	13.876	162	68855	23.062	ng/ul	98
45) 2-Nitroaniline	14.070	65	19716	21.874	ng/ul	87
47) Dimethylphthalate	14.417	163	85217	21.222	ng/ul	99
48) 2,6-Dinitrotoluene	14.552	165	18436	22.309	ng/ul	99
50) Acenaphthylene	14.717	152	103202	22.597	ng/ul	99
51) 3-Nitroaniline	14.887	138	13881	23.706	ng/ul	95
52) Acenaphthene	15.051	153	73110	22.468	ng/ul	99
53) 2,4-Dinitrophenol	15.104	184	6942	15.774	ng/ul	91
55) 4-Nitrophenol	15.192	109	12272	18.599	ng/ul	96
56) Dibenzofuran	15.380	168	103932	22.118	ng/ul	96
57) 2,4-Dinitrotoluene	15.339	165	27524	23.266	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.609	232	23394	22.451	ng/ul#	99
59) Diethylphthalate	15.762	149	85670	20.999	ng/ul	98
61) Fluorene	16.026	166	87243	21.957	ng/ul	98
62) 4-Chlorophenyl-phenyle...	16.003	204	50394	21.730	ng/ul	96
63) 4-Nitroaniline	16.038	138	10103m	18.220	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.109	198	14318	19.126	ng/ul	100
67) N-Nitrosodiphenylamine	16.220	169	72912	22.510	ng/ul	98
68) 4-Bromophenyl-phenylether	16.902	248	33265	22.445	ng/ul	97
69) Hexachlorobenzene	17.037	284	36588	23.444	ng/ul	98
70) Atrazine	17.149	200	32372	22.487	ng/ul	97
71) Pentachlorophenol	17.384	266	12398	17.187	ng/ul	87
72) Phenanthrene	17.771	178	142830	22.120	ng/ul	98
74) Anthracene	17.859	178	144687	22.307	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.800	216	45186	24.228	ng/uL	97
76) Pentachlorobenzene	15.304	250	45470	23.952	ng/uL	94
77) Carbazole	18.124	167	120468	22.224	ng/ul	100
78) Di-n-butylphthalate	18.641	149	139790	22.553	ng/ul	98
80) Fluoranthene	19.757	202	170865	23.488	ng/ul	98
82) Pyrene	20.121	202	168606	22.895	ng/ul	99
83) Butylbenzylphthalate	20.973	149	57043	24.188	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.913	252	57607	25.142	ng/ul	96
85) Benzo(a)anthracene	22.018	228	165005	22.613	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.860	149	80938	23.597	ng/ul	93
87) Chrysene	22.089	228	154303	22.414	ng/ul	99
89) Di-n-octyl phthalate	23.164	149	131651	21.876	ng/ul	100
90) Benzo(b)fluoranthene	24.433	252	161086	21.345	ng/ul	98
91) Benzo(k)fluoranthene	24.497	252	162402	22.120	ng/ul	98
93) Benzo(a)pyrene	25.390	252	145473	22.328	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.614	276	184306	22.630	ng/ul	98
95) Dibenzo(a,h)anthracene	29.679	278	153494	22.729	ng/ul	99
96) Benzo(g,h,i)perylene	30.906	276	147196	22.332	ng/ul	96

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

