

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057269.D
 Acq On : 2 May 2023 4:50
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020470

Quant Time: May 03 01:13:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.384	152	16255	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	64975	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.992	164	47533	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	109489	20.000	ng/u1	0.00
79) Chrysene-d12	22.047	240	94285	20.000	ng/u1	# 0.00
88) Perylene-d12	25.566	264	99005	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.666	96	2395	6.484	ng/uL	0.00
4) Pyridine-d5	4.101	84	22288m	19.139	ng/u1	0.00
7) Phenol-d5	7.520	99	30301	19.711	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	16843	18.628	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	21538	21.261	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	23087	19.760	ng/u1	0.00
21) Nitrobenzene-d5	9.558	128	11187	21.620	ng/u1	0.00
24) 2-Nitrophenol-d4	10.293	143	13560	22.455	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	26312	22.584	ng/u1	0.00
31) 4-Chloroaniline-d4	11.350	131	31249	20.237	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	78173	20.756	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	91525	21.621	ng/u1	0.00
54) 4-Nitrophenol-d4	15.180	143	9642	17.587	ng/u1	0.00
60) Fluorene-d10	15.979	176	73919	21.068	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	11843	18.256	ng/u1	0.00
73) Anthracene-d10	17.836	188	110815	22.173	ng/u1	0.00
81) Pyrene-d10	20.097	212	125116	22.356	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.325	264	111492	22.104	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.702	88	3118	7.959	ng/uL#	83
5) Pyridine	4.125	79	22689	18.482	ng/u1	91
6) Benzaldehyde	7.508	77	10621m	22.621	ng/u1	
8) Phenol	7.549	94	30553	19.719	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.779	93	22223	19.164	ng/u1	94
12) 2-Chlorophenol	7.943	128	22354	21.008	ng/u1	98
13) 2-Methylphenol	8.818	108	23516	19.584	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.901	45	27489	18.386	ng/u1#	90
16) Acetophenone	9.212	105	38202	19.002	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.183	70	21478	18.590	ng/u1	96
18) 4-Methylphenol	9.147	108	25343	19.499	ng/u1	93
19) Hexachloroethane	9.482	117	9501	21.341	ng/u1	97
22) Nitrobenzene	9.600	77	33241	21.574	ng/u1	97
23) Isophorone	10.122	82	58612	19.993	ng/u1	99
25) 2-Nitrophenol	10.322	139	13511	22.090	ng/u1	99
26) 2,4-Dimethylphenol	10.363	107	30428	21.930	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.592	93	31484	20.661	ng/u1	98
29) 2,4-Dichlorophenol	10.863	162	25209	22.796	ng/u1	98
30) Naphthalene	11.274	128	76476	21.437	ng/u1	98
32) 4-Chloroaniline	11.368	127	32733	20.345	ng/u1	96
33) Hexachlorobutadiene	11.538	225	22277	23.751	ng/u1	97
34) Caprolactam	12.114	113	7289	19.579	ng/u1	93
35) 4-Chloro-3-methylphenol	12.466	107	26881	21.127	ng/u1	98
36) 2-Methylnaphthalene	12.848	142	55369	21.164	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.066	142	55496	21.096	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.212	216	41404	23.970	ng/ul	97
40) Hexachlorocyclopentadiene	13.183	237	13332	15.466	ng/ul	96
41) 2,4,6-Trichlorophenol	13.441	196	23170	23.032	ng/ul	94
42) 2,4,5-Trichlorophenol	13.518	196	24583	22.760	ng/ul	92
43) 1,1'-Biphenyl	13.829	154	78692	21.696	ng/ul	99
44) 2-Chloronaphthalene	13.882	162	63460	22.566	ng/ul	98
45) 2-Nitroaniline	14.082	65	18397	21.670	ng/ul	96
47) Dimethylphthalate	14.428	163	77843	20.581	ng/ul	98
48) 2,6-Dinitrotoluene	14.558	165	17151	22.034	ng/ul	96
50) Acenaphthylene	14.722	152	92545	21.514	ng/ul	98
51) 3-Nitroaniline	14.892	138	13186	23.909	ng/ul	99
52) Acenaphthene	15.057	153	64549	21.060	ng/ul	96
53) 2,4-Dinitrophenol	15.110	184	6185	14.921	ng/ul	95
55) 4-Nitrophenol	15.192	109	11693	18.815	ng/ul	94
56) Dibenzofuran	15.386	168	94475	21.346	ng/ul	97
57) 2,4-Dinitrotoluene	15.345	165	22975	20.619	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.615	232	20640	21.030	ng/ul#	98
59) Diethylphthalate	15.774	149	77528	20.176	ng/ul	99
61) Fluorene	16.038	166	78183	20.890	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.014	204	45473	20.817	ng/ul	97
63) 4-Nitroaniline	16.044	138	9073m	17.372	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.114	198	12183	18.430	ng/ul	98
67) N-Nitrosodiphenylamine	16.226	169	64063	22.399	ng/ul	99
68) 4-Bromophenyl-phenylether	16.907	248	29821	22.788	ng/ul	96
69) Hexachlorobenzene	17.042	284	31965	23.196	ng/ul	99
70) Atrazine	17.160	200	28976	22.796	ng/ul	96
71) Pentachlorophenol	17.389	266	12043m	18.907	ng/ul	
72) Phenanthrene	17.777	178	123925	21.735	ng/ul	98
74) Anthracene	17.865	178	127560	22.272	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.806	216	42008	25.509	ng/uL	97
76) Pentachlorobenzene	15.310	250	41379	24.685	ng/uL	99
77) Carbazole	18.129	167	105491	22.040	ng/ul	99
78) Di-n-butylphthalate	18.646	149	121359	22.173	ng/ul	99
80) Fluoranthene	19.762	202	149620	22.506	ng/ul	97
82) Pyrene	20.127	202	149597	22.229	ng/ul	98
83) Butylbenzylphthalate	20.978	149	50268	23.324	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.924	252	51579	24.632	ng/ul	97
85) Benzo(a)anthracene	22.024	228	147224	22.078	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.871	149	70716	22.560	ng/ul	96
87) Chrysene	22.100	228	139094	22.109	ng/ul	99
89) Di-n-octyl phthalate	23.169	149	121161	22.161	ng/ul	100
90) Benzo(b)fluoranthene	24.438	252	148080	21.599	ng/ul#	98
91) Benzo(k)fluoranthene	24.515	252	146437	21.954	ng/ul	99
93) Benzo(a)pyrene	25.402	252	129397	21.861	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.643	276	156162	21.106	ng/ul#	98
95) Dibenzo(a,h)anthracene	29.690	278	135328	22.058	ng/ul	97
96) Benzo(g,h,i)perylene	30.924	276	121153m	20.233	ng/ul	

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

