

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057279.D
 Acq On : 2 May 2023 15:05
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020471

Quant Time: May 03 02:14:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.384	152	16740	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	68028	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.998	164	48846	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	111317	20.000	ng/u1	0.00
79) Chrysene-d12	22.053	240	91444	20.000	ng/u1	# 0.00
88) Perylene-d12	25.572	264	96743	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.667	96	2591	6.811	ng/uL	0.00
4) Pyridine-d5	4.101	84	22858	19.059	ng/u1	0.00
7) Phenol-d5	7.520	99	33161	20.947	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	18649	20.028	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	23756	22.771	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	26512	22.034	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	12544	23.155	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	15122	23.918	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	30091	24.669	ng/u1	0.00
31) 4-Chloroaniline-d4	11.350	131	34414	21.287	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	86679	22.395	ng/u1	0.00
49) Acenaphthylene-d8	14.699	160	102466	23.555	ng/u1	0.00
54) 4-Nitrophenol-d4	15.180	143	11465	20.350	ng/u1	0.00
60) Fluorene-d10	15.985	176	79867	22.151	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	11941	18.105	ng/u1	0.00
73) Anthracene-d10	17.836	188	120502	23.716	ng/u1	0.00
81) Pyrene-d10	20.103	212	130548	24.052	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.331	264	115242	23.381	ng/u1	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.702	88	2888	7.159	ng/uL 86
5) Pyridine	4.125	79	23739	18.778	ng/u1 97
6) Benzaldehyde	7.508	77	13704	28.342	ng/u1 89
8) Phenol	7.550	94	33967	21.288	ng/u1 98
10) Bis(2-Chloroethyl)ether	7.784	93	24107	20.187	ng/u1 92
12) 2-Chlorophenol	7.943	128	25220	23.015	ng/u1 99
13) 2-Methylphenol	8.818	108	26196	21.184	ng/u1 88
14) 2,2'-oxybis(1-Chloropr...	8.906	45	29554	19.195	ng/u1 95
16) Acetophenone	9.212	105	42596	20.573	ng/u1 98
17) N-Nitroso-di-n-propyla...	9.183	70	23866	20.059	ng/u1 98
18) 4-Methylphenol	9.147	108	27846	20.804	ng/u1 88
19) Hexachloroethane	9.482	117	10476	22.849	ng/u1# 79
22) Nitrobenzene	9.606	77	36874	22.858	ng/u1 99
23) Isophorone	10.122	82	63231	20.601	ng/u1 99
25) 2-Nitrophenol	10.322	139	15545	24.275	ng/u1 92
26) 2,4-Dimethylphenol	10.363	107	33013	22.725	ng/u1 96
27) Bis(2-Chloroethoxy)met...	10.592	93	33354	20.905	ng/u1 97
29) 2,4-Dichlorophenol	10.863	162	27877	24.078	ng/u1 98
30) Naphthalene	11.274	128	83631	22.390	ng/u1 99
32) 4-Chloroaniline	11.374	127	34888	20.711	ng/u1 94
33) Hexachlorobutadiene	11.544	225	24346	24.792	ng/u1 97
34) Caprolactam	12.126	113	7952	20.402	ng/u1 97
35) 4-Chloro-3-methylphenol	12.466	107	28550	21.431	ng/u1 92
36) 2-Methylnaphthalene	12.848	142	61013	22.275	ng/u1 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.066	142	59892	21.745	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.212	216	44545	25.095	ng/ul	97
40) Hexachlorocyclopentadiene	13.183	237	9137	10.315	ng/ul	96
41) 2,4,6-Trichlorophenol	13.442	196	25499	24.665	ng/ul	99
42) 2,4,5-Trichlorophenol	13.524	196	27278	24.576	ng/ul	97
43) 1,1'-Biphenyl	13.835	154	86892	23.313	ng/ul	99
44) 2-Chloronaphthalene	13.888	162	68593	23.735	ng/ul	97
45) 2-Nitroaniline	14.082	65	20895	23.951	ng/ul	96
47) Dimethylphthalate	14.428	163	82748	21.290	ng/ul	99
48) 2,6-Dinitrotoluene	14.564	165	17714	22.146	ng/ul	97
50) Acenaphthylene	14.728	152	100418	22.716	ng/ul	100
51) 3-Nitroaniline	14.893	138	14708	25.951	ng/ul#	94
52) Acenaphthene	15.063	153	71388	22.666	ng/ul	98
53) 2,4-Dinitrophenol	15.116	184	5697	13.374	ng/ul	94
55) 4-Nitrophenol	15.198	109	12577	19.693	ng/ul	93
56) Dibenzofuran	15.392	168	100319	22.057	ng/ul	98
57) 2,4-Dinitrotoluene	15.351	165	24643	21.521	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.615	232	22713	22.520	ng/ul	97
59) Diethylphthalate	15.774	149	81409	20.616	ng/ul	97
61) Fluorene	16.038	166	83074	21.600	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.015	204	48404	21.563	ng/ul	100
63) 4-Nitroaniline	16.050	138	11995m	22.349	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.114	198	11678	17.376	ng/ul#	96
67) N-Nitrosodiphenylamine	16.226	169	68794	23.658	ng/ul	99
68) 4-Bromophenyl-phenylether	16.913	248	31906	23.981	ng/ul	94
69) Hexachlorobenzene	17.043	284	33471	23.890	ng/ul	99
70) Atrazine	17.160	200	29056	22.483	ng/ul	98
71) Pentachlorophenol	17.389	266	12780	19.734	ng/ul	97
72) Phenanthrene	17.783	178	130641	22.536	ng/ul	98
74) Anthracene	17.871	178	129379	22.219	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.812	216	46187	27.586	ng/uL	98
76) Pentachlorobenzene	15.315	250	42170	24.744	ng/uL	96
77) Carbazole	18.135	167	110453	22.698	ng/ul	98
78) Di-n-butylphthalate	18.652	149	127382	22.892	ng/ul	99
80) Fluoranthene	19.768	202	151055	23.428	ng/ul	97
82) Pyrene	20.132	202	151103	23.150	ng/ul#	96
83) Butylbenzylphthalate	20.978	149	50042	23.940	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.924	252	49497	24.373	ng/ul	96
85) Benzo(a)anthracene	22.030	228	147497	22.806	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.871	149	70657	23.241	ng/ul	96
87) Chrysene	22.100	228	135464	22.201	ng/ul	97
89) Di-n-octyl phthalate	23.175	149	119113	22.296	ng/ul	100
90) Benzo(b)fluoranthene	24.444	252	149745	22.352	ng/ul	96
91) Benzo(k)fluoranthene	24.515	252	146791m	22.522	ng/ul	
93) Benzo(a)pyrene	25.408	252	131785	22.786	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.655	276	154177	21.325	ng/ul	97
95) Dibenzo(a,h)anthracene	29.702	278	130004	21.685	ng/ul	97
96) Benzo(g,h,i)perylene	30.930	276	120155m	20.535	ng/ul	

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

