

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100323\
 Data File : BG059272.D
 Acq On : 3 Oct 2023 20:37
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020582

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/04/2023
 Supervised By :mohammad ahmed 10/04/2023

Quant Time: Oct 04 00:26:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.231	152	57091	20.000	ng/u1	0.00
20) Naphthalene-d8	11.068	136	269960	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.864	164	172186	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.614	188	383714	20.000	ng/u1	0.00
79) Chrysene-d12	21.909	240	349446	20.000	ng/u1	-0.01
88) Perylene-d12	25.381	264	404013	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.530	96	11071	7.319	ng/uL	0.00
4) Pyridine-d5	3.965	84	82403	18.670	ng/u1	0.00
7) Phenol-d5	7.355	99	112162	19.627	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.555	67	68266	18.700	ng/u1	0.00
11) 2-Chlorophenol-d4	7.749	132	77747	20.239	ng/u1	0.00
15) 4-Methylphenol-d8	8.924	113	84043	19.025	ng/u1	0.00
21) Nitrobenzene-d5	9.429	128	43346	22.754	ng/u1	0.00
24) 2-Nitrophenol-d4	10.146	143	46073	24.636	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.675	165	85949	22.372	ng/u1	0.00
31) 4-Chloroaniline-d4	11.215	131	126158	20.297	ng/u1	0.00
46) Dimethylphthalate-d6	14.259	166	252023	20.244	ng/u1	0.00
49) Acenaphthylene-d8	14.564	160	316742	20.271	ng/u1	0.00
54) 4-Nitrophenol-d4	15.058	143	45566	20.960	ng/u1	0.00
60) Fluorene-d10	15.851	176	232190	19.596	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.963	200	39721	20.139	ng/u1	0.00
73) Anthracene-d10	17.708	188	356825	20.409	ng/u1	-0.01
81) Pyrene-d10	19.981	212	387138	19.783	ng/u1	-0.01
92) Benzo(a)pyrene-d12	25.140	264	394686	20.329	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.571	88	13504	7.598	ng/uL#	68
5) Pyridine	3.988	79	83012	18.521	ng/u1#	90
6) Benzaldehyde	7.379	77	52607	20.962	ng/u1	92
8) Phenol	7.384	94	109221	19.213	ng/u1#	92
10) Bis(2-Chloroethyl)ether	7.643	93	89138	19.118	ng/u1	91
12) 2-Chlorophenol	7.778	128	81962	20.236	ng/u1	95
13) 2-Methylphenol	8.659	108	82360	19.175	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.736	45	187187	18.161	ng/u1	97
16) Acetophenone	9.071	105	130174	19.027	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.035	70	66036	19.029	ng/u1	92
18) 4-Methylphenol	8.994	108	90760	19.944	ng/u1	99
19) Hexachloroethane	9.312	117	30587	19.169	ng/u1	96
22) Nitrobenzene	9.470	77	93493	19.881	ng/u1	96
23) Isophorone	9.976	82	194071	19.191	ng/u1	99
25) 2-Nitrophenol	10.175	139	48952	23.757	ng/u1	97
26) 2,4-Dimethylphenol	10.211	107	94839	21.525	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.463	93	130783	20.497	ng/u1	94
29) 2,4-Dichlorophenol	10.704	162	83092	21.758	ng/u1	99
30) Naphthalene	11.121	128	289283	19.986	ng/u1#	93
32) 4-Chloroaniline	11.245	127	121596	20.458	ng/u1	99
33) Hexachlorobutadiene	11.350	225	51882	20.300	ng/u1	92
34) Caprolactam	12.026	113	26587m	20.121	ng/u1	
35) 4-Chloro-3-methylphenol	12.326	107	84236	20.673	ng/u1	89
36) 2-Methylnaphthalene	12.708	142	186636	19.683	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.925	142	196547	20.423	ng/ul#	88
39) 1,2,4,5-Tetrachloroben...	13.054	216	101617	19.712	ng/ul	96
40) Hexachlorocyclopentadiene	13.001	237	57841	18.190	ng/ul	98
41) 2,4,6-Trichlorophenol	13.301	196	65552	20.770	ng/ul	91
42) 2,4,5-Trichlorophenol	13.372	196	75823	22.895	ng/ul	92
43) 1,1'-Biphenyl	13.701	154	272066	19.565	ng/ul	97
44) 2-Chloronaphthalene	13.753	162	208506	19.915	ng/ul	95
45) 2-Nitroaniline	13.971	65	65773	22.271	ng/ul	95
47) Dimethylphthalate	14.306	163	253087	19.848	ng/ul	99
48) 2,6-Dinitrotoluene	14.453	165	51313	23.660	ng/ul	86
50) Acenaphthylene	14.594	152	338535	20.297	ng/ul	98
51) 3-Nitroaniline	14.793	138	55418	23.671	ng/ul#	89
52) Acenaphthene	14.929	153	230716	20.153	ng/ul	95
53) 2,4-Dinitrophenol	14.987	184	34805	28.870	ng/ul#	84
55) 4-Nitrophenol	15.070	109	31749	20.704	ng/ul	94
56) Dibenzofuran	15.258	168	303593	20.006	ng/ul	99
57) 2,4-Dinitrotoluene	15.228	165	74199	23.106	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.469	232	63777	21.273	ng/ul#	97
59) Diethylphthalate	15.651	149	247022	20.039	ng/ul	97
61) Fluorene	15.910	166	253066	19.861	ng/ul#	97
62) 4-Chlorophenyl-phenyle...	15.892	204	126704	19.948	ng/ul	96
63) 4-Nitroaniline	15.951	138	46285	21.483	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.974	198	47019	22.609	ng/ul#	88
67) N-Nitrosodiphenylamine	16.110	169	209978	20.529	ng/ul	98
68) 4-Bromophenyl-phenylether	16.785	248	78477	21.111	ng/ul	94
69) Hexachlorobenzene	16.879	284	87771	20.900	ng/ul	96
70) Atrazine	17.044	200	82189	21.132	ng/ul	98
71) Pentachlorophenol	17.232	266	50062	20.713	ng/ul	92
72) Phenanthrene	17.655	178	428111	20.330	ng/ul	99
74) Anthracene	17.743	178	439278	20.203	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.659	216	100852	19.945	ng/uL	98
76) Pentachlorobenzene	15.152	250	104835	20.997	ng/uL	97
77) Carbazole	18.025	167	362589	20.460	ng/ul	97
78) Di-n-butylphthalate	18.524	149	432713	20.598	ng/ul	99
80) Fluoranthene	19.647	202	482663	20.021	ng/ul	98
82) Pyrene	20.011	202	503826	19.731	ng/ul	98
83) Butylbenzylphthalate	20.869	149	192586	21.387	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.803	252	177790	21.969	ng/ul	99
85) Benzo(a)anthracene	21.891	228	495169	20.129	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.721	149	283076	20.702	ng/ul	98
87) Chrysene	21.961	228	460114	19.804	ng/ul	98
89) Di-n-octyl phthalate	23.013	149	480217	20.437	ng/ul	100
90) Benzo(b)fluoranthene	24.259	252	496768	20.075	ng/ul	99
91) Benzo(k)fluoranthene	24.329	252	516527	20.601	ng/ul	99
93) Benzo(a)pyrene	25.216	252	476534	20.300	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.394	276	531041m	19.984	ng/ul	
95) Dibenzo(a,h)anthracene	29.476	278	426095	19.718	ng/ul	97
96) Benzo(g,h,i)perylene	30.675	276	428651	19.839	ng/ul	98

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

