

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
 Data File : BG059470.D
 Acq On : 17 Oct 2023 23:45
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV419

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

Quant Time: Oct 18 04:40:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 04:32:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.189	152	28630	20.000	ng/u1	0.00
20) Naphthalene-d8	11.033	136	129842	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.828	164	81933	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.578	188	191315	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.873	240	217713	20.000	ng/u1	0.00
88) Perylene-d12	25.316	264	209370	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.488	96	6603m	8.113	ng/uL	0.00
4) Pyridine-d5	3.917	84	62380	18.108	ng/u1	0.00
7) Phenol-d5	7.319	99	60848	20.141	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.507	67	34348	20.147	ng/u1	0.00
11) 2-Chlorophenol-d4	7.707	132	47102	21.246	ng/u1	0.00
15) 4-Methylphenol-d8	8.882	113	47080	20.918	ng/u1	0.00
21) Nitrobenzene-d5	9.387	128	21802	22.038	ng/u1	0.00
24) 2-Nitrophenol-d4	10.104	143	24102	22.421	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.639	165	46164	21.728	ng/u1	0.00
31) 4-Chloroaniline-d4	11.174	131	66760	20.413	ng/u1	0.00
46) Dimethylphthalate-d6	14.223	166	138861	20.720	ng/u1	0.00
49) Acenaphthylene-d8	14.528	160	168200	20.752	ng/u1	0.00
54) 4-Nitrophenol-d4	15.022	143	25494	21.539	ng/u1	0.00
60) Fluorene-d10	15.815	176	129371	21.094	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.933	200	24814	22.038	ng/u1	0.00
73) Anthracene-d10	17.678	188	201744	19.952	ng/u1	0.00
81) Pyrene-d10	19.951	212	231725	16.948	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.069	264	230695	20.109	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.518	88	8097m	8.223	ng/uL	
5) Pyridine	3.941	79	65029	18.279	ng/u1	97
6) Benzaldehyde	7.337	77	30985	23.718	ng/u1	91
8) Phenol	7.343	94	59117	20.099	ng/u1#	88
10) Bis(2-Chloroethyl)ether	7.607	93	47153	20.083	ng/u1#	87
12) 2-Chlorophenol	7.742	128	46153	20.305	ng/u1	95
13) 2-Methylphenol	8.618	108	43998	19.791	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.694	45	97650m	20.092	ng/u1	
16) Acetophenone	9.035	105	73255	21.230	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.000	70	34809	21.939	ng/u1#	95
18) 4-Methylphenol	8.953	108	47326	19.908	ng/u1	92
19) Hexachloroethane	9.270	117	17730	20.692	ng/u1#	82
22) Nitrobenzene	9.434	77	51155	23.506	ng/u1	95
23) Isophorone	9.934	82	101672	20.386	ng/u1	98
25) 2-Nitrophenol	10.139	139	27130	24.288	ng/u1#	89
26) 2,4-Dimethylphenol	10.163	107	47111	21.278	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.421	93	63412	19.452	ng/u1	98
29) 2,4-Dichlorophenol	10.662	162	45732	21.433	ng/u1	91
30) Naphthalene	11.085	128	159156	20.300	ng/u1	99
32) 4-Chloroaniline	11.197	127	62668	20.097	ng/u1	91
33) Hexachlorobutadiene	11.309	225	28845	22.135	ng/u1	95
34) Caprolactam	11.978	113	13767m	22.308	ng/u1	
35) 4-Chloro-3-methylphenol	12.284	107	42945	22.834	ng/u1	92
36) 2-Methylnaphthalene	12.666	142	105682	22.720	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.889	142	105401	21.697	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	13.013	216	53335	20.674	ng/ul	92
40) Hexachlorocyclopentadiene	12.966	237	30295	18.779	ng/ul#	85
41) 2,4,6-Trichlorophenol	13.259	196	34914	22.358	ng/ul	94
42) 2,4,5-Trichlorophenol	13.330	196	36174	21.754	ng/ul	98
43) 1,1'-Biphenyl	13.665	154	149231	21.417	ng/ul	92
44) 2-Chloronaphthalene	13.718	162	109971	21.043	ng/ul	95
45) 2-Nitroaniline	13.941	65	30282	21.445	ng/ul	95
47) Dimethylphthalate	14.270	163	138015	20.428	ng/ul#	95
48) 2,6-Dinitrotoluene	14.417	165	26651	22.593	ng/ul	97
50) Acenaphthylene	14.558	152	180124	20.471	ng/ul	99
51) 3-Nitroaniline	14.758	138	29740	21.691	ng/ul#	86
52) Acenaphthene	14.893	153	122473	20.397	ng/ul	95
53) 2,4-Dinitrophenol	14.957	184	13829	20.941	ng/ul	91
55) 4-Nitrophenol	15.034	109	17577	20.974	ng/ul	92
56) Dibenzofuran	15.228	168	163619	20.541	ng/ul	99
57) 2,4-Dinitrotoluene	15.198	165	40336	22.892	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.439	232	32576	21.700	ng/ul	92
59) Diethylphthalate	15.615	149	130176	21.488	ng/ul	98
61) Fluorene	15.868	166	138221	21.467	ng/ul	88
62) 4-Chlorophenyl-phenyle...	15.856	204	67554	20.341	ng/ul	95
63) 4-Nitroaniline	15.921	138	29082m	22.248	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.944	198	25667	21.767	ng/ul#	86
67) N-Nitrosodiphenylamine	16.080	169	117303	20.116	ng/ul	97
68) 4-Bromophenyl-phenylether	16.755	248	43688	20.514	ng/ul	94
69) Hexachlorobenzene	16.843	284	48903	20.377	ng/ul	91
70) Atrazine	17.008	200	42476	19.668	ng/ul	96
71) Pentachlorophenol	17.202	266	27310	20.193	ng/ul	89
72) Phenanthrene	17.619	178	242526	20.366	ng/ul	96
74) Anthracene	17.713	178	249436	20.374	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.624	216	55328	19.487	ng/uL	89
76) Pentachlorobenzene	15.122	250	56602	19.337	ng/uL	94
77) Carbazole	17.989	167	212835	20.528	ng/ul	97
78) Di-n-butylphthalate	18.494	149	245043	21.119	ng/ul#	98
80) Fluoranthene	19.617	202	279497	17.148	ng/ul	99
82) Pyrene	19.981	202	292821	16.698	ng/ul	99
83) Butylbenzylphthalate	20.833	149	104692	17.930	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.767	252	128333	21.594	ng/ul	99
85) Benzo(a)anthracene	21.849	228	355631	20.508	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.679	149	158098	18.130	ng/ul	95
87) Chrysene	21.920	228	336029	20.552	ng/ul	99
89) Di-n-octyl phthalate	22.960	149	315980	26.368	ng/ul	100
90) Benzo(b)fluoranthene	24.199	252	293376m	20.768	ng/ul	
91) Benzo(k)fluoranthene	24.270	252	297603	20.636	ng/ul	98
93) Benzo(a)pyrene	25.151	252	280072	20.675	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.282	276	302064	19.426	ng/ul	97
95) Dibenzo(a,h)anthracene	29.358	278	248176	19.065	ng/ul	99
96) Benzo(g,h,i)perylene	30.563	276	246766m	18.163	ng/ul	

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

