

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
 Data File : BG059037.D
 Acq On : 13 Sep 2023 12:30
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020559

Quant Time: Sep 14 01:13:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	106622	20.000	ng/u1	0.00
20) Naphthalene-d8	11.156	136	504232	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.940	164	378543	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.689	188	1002965	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.014	240	812001	20.000	ng/u1	0.00
88) Perylene-d12	25.586	264	965521	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.612	96	21807	8.693	ng/uL	-0.02
4) Pyridine-d5	4.047	84	167599	21.103	ng/u1	-0.01
7) Phenol-d5	7.419	99	212239	19.740	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.625	67	127200	20.176	ng/u1	0.00
11) 2-Chlorophenol-d4	7.819	132	140824	20.422	ng/u1	0.00
15) 4-Methylphenol-d8	8.994	113	170170	20.486	ng/u1	0.00
21) Nitrobenzene-d5	9.505	128	76777	20.992	ng/u1	0.00
24) 2-Nitrophenol-d4	10.222	143	83990	20.928	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.750	165	175413	20.566	ng/u1	0.00
31) 4-Chloroaniline-d4	11.297	131	263448	22.968	ng/u1	0.00
46) Dimethylphthalate-d6	14.335	166	664316	22.624	ng/u1	0.00
49) Acenaphthylene-d8	14.640	160	714722	21.858	ng/u1	0.00
54) 4-Nitrophenol-d4	15.116	143	110506	22.657	ng/u1	0.00
60) Fluorene-d10	15.927	176	594527	22.815	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.038	200	109777	22.298	ng/u1	0.00
73) Anthracene-d10	17.789	188	966848	21.715	ng/u1	0.00
81) Pyrene-d10	20.063	212	1031406	23.979	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.333	264	1008660	21.311	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.653	88	24103	7.457	ng/uL#	88
5) Pyridine	4.064	79	168498	19.870	ng/u1	95
6) Benzaldehyde	7.448	77	138116	21.006	ng/u1#	82
8) Phenol	7.448	94	235609	20.607	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.725	93	172895	20.690	ng/u1	98
12) 2-Chlorophenol	7.860	128	147674	20.718	ng/u1	96
13) 2-Methylphenol	8.723	108	178926	20.783	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.812	45	213317m	21.258	ng/u1	
16) Acetophenone	9.146	105	307234	22.309	ng/u1	94
17) N-Nitroso-di-n-propyla...	9.111	70	165716	21.466	ng/u1	96
18) 4-Methylphenol	9.058	108	199072	21.173	ng/u1	97
19) Hexachloroethane	9.399	117	62006	20.756	ng/u1#	77
22) Nitrobenzene	9.546	77	224344	20.489	ng/u1	91
23) Isophorone	10.057	82	502072	21.586	ng/u1	98
25) 2-Nitrophenol	10.257	139	89345	21.833	ng/u1	90
26) 2,4-Dimethylphenol	10.280	107	220757	21.768	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.539	93	263601	21.146	ng/u1	97
29) 2,4-Dichlorophenol	10.780	162	166353	20.588	ng/u1	94
30) Naphthalene	11.209	128	550538	20.713	ng/u1	96
32) 4-Chloroaniline	11.320	127	253108	22.984	ng/u1	99
33) Hexachlorobutadiene	11.432	225	127861	20.224	ng/u1#	87
34) Caprolactam	12.096	113	73744m	25.716	ng/u1	
35) 4-Chloro-3-methylphenol	12.384	107	217901	21.949	ng/u1	97
36) 2-Methylnaphthalene	12.783	142	416608	21.005	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.001	142	411357	21.028	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	13.130	216	253383	20.506	ng/ul	98
40) Hexachlorocyclopentadiene	13.077	237	167271	18.397	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.371	196	166431	21.216	ng/ul	98
42) 2,4,5-Trichlorophenol	13.441	196	170700	20.100	ng/ul	96
43) 1,1'-Biphenyl	13.776	154	607763	21.478	ng/ul	99
44) 2-Chloronaphthalene	13.829	162	466428	21.582	ng/ul	94
45) 2-Nitroaniline	14.041	65	139218	21.004	ng/ul	95
47) Dimethylphthalate	14.382	163	630830	22.722	ng/ul	99
48) 2,6-Dinitrotoluene	14.523	165	115286	21.830	ng/ul	97
50) Acenaphthylene	14.669	152	771063	21.630	ng/ul	97
51) 3-Nitroaniline	14.863	138	118156	23.314	ng/ul#	87
52) Acenaphthene	15.004	153	528732	22.102	ng/ul	99
53) 2,4-Dinitrophenol	15.057	184	61111	17.952	ng/ul	95
55) 4-Nitrophenol	15.128	109	122839	21.346	ng/ul	87
56) Dibenzofuran	15.333	168	758429	21.888	ng/ul	95
57) 2,4-Dinitrotoluene	15.304	165	175127	24.032	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.539	232	182879	22.544	ng/ul#	95
59) Diethylphthalate	15.727	149	662052	24.188	ng/ul	94
61) Fluorene	15.986	166	636345	22.345	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.968	204	343018	22.763	ng/ul	95
63) 4-Nitroaniline	16.021	138	113199	23.567	ng/ul#	79
66) 4,6-Dinitro-2-methylph...	16.056	198	120812	22.484	ng/ul	100
67) N-Nitrosodiphenylamine	16.185	169	546571	20.675	ng/ul	94
68) 4-Bromophenyl-phenylether	16.861	248	232623	21.142	ng/ul	95
69) Hexachlorobenzene	16.955	284	254843	20.176	ng/ul	96
70) Atrazine	17.119	200	244748	23.656	ng/ul	98
71) Pentachlorophenol	17.308	266	154491	19.843	ng/ul	94
72) Phenanthrene	17.731	178	1064475	20.912	ng/ul	98
74) Anthracene	17.825	178	1088243	21.034	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.735	216	265213	18.325	ng/uL	95
76) Pentachlorobenzene	15.228	250	284482	20.340	ng/uL	98
77) Carbazole	18.101	167	952584	21.987	ng/ul	99
78) Di-n-butylphthalate	18.606	149	1091283	22.722	ng/ul	99
80) Fluoranthene	19.728	202	1208293	24.190	ng/ul	99
82) Pyrene	20.092	202	1207163	23.247	ng/ul	99
83) Butylbenzylphthalate	20.950	149	425505	25.930	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.902	252	410392	22.780	ng/ul#	88
85) Benzo(a)anthracene	21.996	228	1178631	21.644	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.832	149	613805	24.976	ng/ul	98
87) Chrysene	22.067	228	1103462	21.798	ng/ul	98
89) Di-n-octyl phthalate	23.159	149	1076237	24.231	ng/ul	100
90) Benzo(b)fluoranthene	24.429	252	1196935	20.810	ng/ul	97
91) Benzo(k)fluoranthene	24.505	252	1196956m	20.364	ng/ul	
93) Benzo(a)pyrene	25.416	252	1117007	20.815	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	29.722	276	1358866m	20.041	ng/ul	
95) Dibenzo(a,h)anthracene	29.799	278	1088533	19.374	ng/ul	99
96) Benzo(g,h,i)perylene	31.033	276	1101231m	20.519	ng/ul	

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

