

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110323\
 Data File : BG059607.D
 Acq On : 3 Nov 2023 19:43
 Operator : MA/JU
 Sample : SSTD01068
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010442

Quant Time: Nov 04 01:28:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 01:51:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.353	152	22137	20.000	ng/u1	0.00
20) Naphthalene-d8	11.203	136	101621	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.981	164	69656	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	169558	20.000	ng/u1	0.00
79) Chrysene-d12	22.073	240	145053	20.000	ng/u1	# 0.00
88) Perylene-d12	25.674	264	211569	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.647	96	2230	3.918	ng/uL	0.00
4) Pyridine-d5	4.076	84	17818	11.045	ng/u1	0.00
7) Phenol-d5	7.460	99	19799	8.996	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.666	67	12088	11.459	ng/u1	0.00
11) 2-Chlorophenol-d4	7.872	132	14942	8.637	ng/u1	0.00
15) 4-Methylphenol-d8	9.041	113	16931	9.657	ng/u1	0.00
21) Nitrobenzene-d5	9.546	128	6438m	8.880	ng/u1	0.00
24) 2-Nitrophenol-d4	10.263	143	8328	10.979	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.803	165	14578m	9.061	ng/u1	0.00
31) 4-Chloroaniline-d4	11.338	131	24335	9.336	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	55539	9.038	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	65881	9.094	ng/u1	0.00
54) 4-Nitrophenol-d4	15.151	143	9363	8.940	ng/u1	0.00
60) Fluorene-d10	15.968	176	55965	10.412	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.068	200	10783	12.698	ng/u1	0.00
73) Anthracene-d10	17.830	188	88193m	9.693	ng/u1	0.00
81) Pyrene-d10	20.104	212	92943	9.340	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.422	264	126981	10.255	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.688	88	2236	3.352	ng/uL#	84
5) Pyridine	4.105	79	18144	11.150	ng/u1	94
6) Benzaldehyde	7.490	77	17226	16.165	ng/u1#	75
8) Phenol	7.495	94	20647	9.969	ng/u1#	85
10) Bis(2-Chloroethyl)ether	7.766	93	14622	9.546	ng/u1	96
12) 2-Chlorophenol	7.895	128	14116	8.058	ng/u1#	80
13) 2-Methylphenol	8.770	108	16743	9.567	ng/u1#	76
14) 2,2'-oxybis(1-Chloropr...	8.864	45	7105m	5.544	ng/u1	
16) Acetophenone	9.199	105	33866	11.773	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.158	70	14920	10.762	ng/u1#	81
18) 4-Methylphenol	9.105	108	18370	9.853	ng/u1	88
19) Hexachloroethane	9.434	117	6725	9.494	ng/u1#	66
22) Nitrobenzene	9.599	77	20291	12.134	ng/u1	93
23) Isophorone	10.104	82	48381	11.709	ng/u1	98
25) 2-Nitrophenol	10.304	139	9351	11.437	ng/u1	94
26) 2,4-Dimethylphenol	10.333	107	23914	11.200	ng/u1#	87
27) Bis(2-Chloroethoxy)met...	10.580	93	22246	10.347	ng/u1	92
29) 2,4-Dichlorophenol	10.827	162	14664	9.513	ng/u1#	85
30) Naphthalene	11.250	128	61367	9.897	ng/u1#	92
32) 4-Chloroaniline	11.367	127	23839	9.640	ng/u1#	87
33) Hexachlorobutadiene	11.479	225	10741	11.193	ng/u1#	91
34) Caprolactam	12.137	113	6314m	11.539	ng/u1	
35) 4-Chloro-3-methylphenol	12.437	107	18101	9.526	ng/u1#	76
36) 2-Methylnaphthalene	12.830	142	42722	9.880	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.048	142	45326	10.431	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	13.177	216	19122	9.637	ng/ul	90
40) Hexachlorocyclopentadiene	13.124	237	13312	11.347	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.406	196	11820m	8.846	ng/ul	
42) 2,4,5-Trichlorophenol	13.488	196	13538m	9.190	ng/ul	
43) 1,1'-Biphenyl	13.817	154	56866	9.078	ng/ul	94
44) 2-Chloronaphthalene	13.870	162	44903	9.310	ng/ul	92
45) 2-Nitroaniline	14.088	65	10390	11.096	ng/ul	94
47) Dimethylphthalate	14.423	163	58949	9.577	ng/ul#	97
48) 2,6-Dinitrotoluene	14.564	165	9900	10.451	ng/ul#	70
50) Acenaphthylene	14.711	152	78263	9.380	ng/ul	97
51) 3-Nitroaniline	14.904	138	9509	8.174	ng/ul#	94
52) Acenaphthene	15.045	153	51610	9.459	ng/ul	92
53) 2,4-Dinitrophenol	15.087	184	6371m	11.202	ng/ul	
55) 4-Nitrophenol	15.163	109	13935	10.953	ng/ul	97
56) Dibenzofuran	15.380	168	66407	9.349	ng/ul	96
57) 2,4-Dinitrotoluene	15.339	165	14598	10.446	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.586	232	10743	9.055	ng/ul#	75
59) Diethylphthalate	15.768	149	62176	9.374	ng/ul	99
61) Fluorene	16.027	166	58802	9.583	ng/ul#	73
62) 4-Chlorophenyl-phenyle...	16.009	204	30436	11.183	ng/ul	92
63) 4-Nitroaniline	16.062	138	9997	8.323	ng/ul	83
66) 4,6-Dinitro-2-methylph...	16.085	198	8950	10.008	ng/ul#	84
67) N-Nitrosodiphenylamine	16.226	169	52416	9.139	ng/ul	98
68) 4-Bromophenyl-phenylether	16.914	248	15898	9.205	ng/ul#	87
69) Hexachlorobenzene	16.996	284	16096	8.318	ng/ul#	87
70) Atrazine	17.161	200	18317	10.154	ng/ul#	94
71) Pentachlorophenol	17.355	266	9519	8.476	ng/ul	94
72) Phenanthrene	17.778	178	96932	8.903	ng/ul#	93
74) Anthracene	17.872	178	101154	9.212	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.776	216	20359	9.274	ng/ul#	80
76) Pentachlorobenzene	15.269	250	20009	9.356	ng/ul	96
77) Carbazole	18.142	167	91682	9.866	ng/ul#	89
78) Di-n-butylphthalate	18.653	149	97023	7.749	ng/ul	99
80) Fluoranthene	19.769	202	110556	9.085	ng/ul#	95
82) Pyrene	20.134	202	112089	8.877	ng/ul#	97
83) Butylbenzylphthalate	20.997	149	40220	7.287	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.955	252	35960	9.693	ng/ul#	90
85) Benzo(a)anthracene	22.049	228	114495	9.571	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.884	149	60059	7.350	ng/ul#	96
87) Chrysene	22.120	228	103879m	9.444	ng/ul	
89) Di-n-octyl phthalate	23.236	149	101062	6.005	ng/ul	100
90) Benzo(b)fluoranthene	24.499	252	137885	9.342	ng/ul#	93
91) Benzo(k)fluoranthene	24.581	252	141598	9.499	ng/ul#	96
93) Benzo(a)pyrene	25.498	252	134609	9.323	ng/ul#	89
94) Indeno(1,2,3-cd)pyrene	29.846	276	174044m	9.580	ng/ul	
95) Dibenzo(a,h)anthracene	29.946	278	149955m	9.930	ng/ul	
96) Benzo(g,h,i)perylene	31.179	276	138152m	9.261	ng/ul	

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

