

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059627.D
 Acq On : 4 Nov 2023 18:40
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020473

Quant Time: Nov 06 00:41:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	37411	20.000	ng/ul	# 0.00
20) Naphthalene-d8	11.197	136	176558	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.981	164	151427	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.731	188	361807	20.000	ng/ul	0.00
79) Chrysene-d12	22.067	240	307364	20.000	ng/ul	# 0.00
88) Perylene-d12	25.669	264	339337	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.653	96	9565	9.582	ng/uL	0.00
4) Pyridine-d5	4.082	84	47179	16.073	ng/ul	0.00
7) Phenol-d5	7.466	99	67878	17.746	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.672	67	31712	15.507	ng/ul	0.00
11) 2-Chlorophenol-d4	7.866	132	51992	20.015	ng/ul	0.00
15) 4-Methylphenol-d8	9.035	113	61398	19.614	ng/ul	0.00
21) Nitrobenzene-d5	9.546	128	29062	22.508	ng/ul	0.00
24) 2-Nitrophenol-d4	10.269	143	33609	21.569	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.798	165	63161	22.815	ng/ul	0.00
31) 4-Chloroaniline-d4	11.344	131	93881	21.550	ng/ul	0.00
46) Dimethylphthalate-d6	14.376	166	227044	18.682	ng/ul	0.00
49) Acenaphthylene-d8	14.681	160	292174	20.162	ng/ul	0.00
54) 4-Nitrophenol-d4	15.157	143	43949	20.483	ng/ul	0.00
60) Fluorene-d10	15.968	176	238125	20.813	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.074	200	44237	19.317	ng/ul	0.00
73) Anthracene-d10	17.831	188	381990	20.172	ng/ul	0.00
81) Pyrene-d10	20.104	212	409411	20.815	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.416	264	405873	20.432	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.683	88	10263	8.999	ng/uL#	84
5) Pyridine	4.106	79	51038	16.464	ng/ul#	91
6) Benzaldehyde	7.496	77	44799	18.526	ng/ul	93
8) Phenol	7.490	94	69661	18.291	ng/ul#	83
10) Bis(2-Chloroethyl)ether	7.766	93	47131	17.912	ng/ul#	87
12) 2-Chlorophenol	7.901	128	52603	19.411	ng/ul#	78
13) 2-Methylphenol	8.771	108	56835	18.038	ng/ul	83
14) 2,2'-oxybis(1-Chloropr...	8.859	45	19695m	16.736	ng/ul	
16) Acetophenone	9.194	105	103183	18.580	ng/ul#	88
17) N-Nitroso-di-n-propyla...	9.158	70	50506	17.214	ng/ul#	82
18) 4-Methylphenol	9.106	108	65563	19.436	ng/ul	94
19) Hexachloroethane	9.435	117	22840	19.226	ng/ul#	75
22) Nitrobenzene	9.593	77	76967	20.055	ng/ul#	93
23) Isophorone	10.099	82	156243	17.678	ng/ul#	94
25) 2-Nitrophenol	10.304	139	32626	19.450	ng/ul#	53
26) 2,4-Dimethylphenol	10.322	107	85246	20.045	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.586	93	69502	18.229	ng/ul#	87
29) 2,4-Dichlorophenol	10.827	162	59434	22.210	ng/ul#	85
30) Naphthalene	11.256	128	205703	19.899	ng/ul#	93
32) 4-Chloroaniline	11.368	127	86581	20.891	ng/ul#	87
33) Hexachlorobutadiene	11.479	225	39996	21.250	ng/ul	93
34) Caprolactam	12.137	113	20951m	22.448	ng/ul	
35) 4-Chloro-3-methylphenol	12.437	107	76811	21.194	ng/ul	86
36) 2-Methylnaphthalene	12.831	142	157108	20.857	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.048	142	160711	20.890	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.171	216	73026	17.262	ng/ul	94
40) Hexachlorocyclopentadiene	13.124	237	47934	15.737	ng/ul#	81
41) 2,4,6-Trichlorophenol	13.412	196	53448	19.438	ng/ul	96
42) 2,4,5-Trichlorophenol	13.483	196	55557	18.296	ng/ul#	74
43) 1,1'-Biphenyl	13.818	154	218532	16.882	ng/ul#	94
44) 2-Chloronaphthalene	13.871	162	159872	16.579	ng/ul#	90
45) 2-Nitroaniline	14.082	65	42512	17.590	ng/ul	85
47) Dimethylphthalate	14.423	163	243023	19.647	ng/ul#	95
48) 2,6-Dinitrotoluene	14.558	165	43592	19.557	ng/ul#	87
50) Acenaphthylene	14.717	152	325876	19.931	ng/ul	98
51) 3-Nitroaniline	14.905	138	54561	22.244	ng/ul#	75
52) Acenaphthene	15.046	153	221153	20.516	ng/ul	98
53) 2,4-Dinitrophenol	15.099	184	30749	19.594	ng/ul#	90
55) 4-Nitrophenol	15.169	109	76128	19.957	ng/ul	98
56) Dibenzofuran	15.381	168	305317	20.870	ng/ul	86
57) 2,4-Dinitrotoluene	15.339	165	70499	21.162	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.580	232	62580	23.809	ng/ul#	91
59) Diethylphthalate	15.768	149	280478	21.557	ng/ul	96
61) Fluorene	16.021	166	256907	20.460	ng/ul	92
62) 4-Chlorophenyl-phenyle...	16.009	204	134971	22.094	ng/ul	94
63) 4-Nitroaniline	16.062	138	52750	22.242	ng/ul#	72
66) 4,6-Dinitro-2-methylph...	16.086	198	43671	19.649	ng/ul#	96
67) N-Nitrosodiphenylamine	16.227	169	229487	19.347	ng/ul	93
68) 4-Bromophenyl-phenylether	16.902	248	83081	21.725	ng/ul	93
69) Hexachlorobenzene	16.996	284	85588	23.903	ng/ul#	83
70) Atrazine	17.155	200	79511	19.573	ng/ul	93
71) Pentachlorophenol	17.349	266	49104	19.659	ng/ul#	77
72) Phenanthrene	17.778	178	436889	20.614	ng/ul	95
74) Anthracene	17.866	178	452935	20.230	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.777	216	72900	16.477	ng/uL#	82
76) Pentachlorobenzene	15.269	250	93864	20.986	ng/uL	91
77) Carbazole	18.142	167	384687	19.962	ng/ul	97
78) Di-n-butylphthalate	18.647	149	459709	21.075	ng/ul	98
80) Fluoranthene	19.764	202	501938	20.812	ng/ul#	94
82) Pyrene	20.134	202	497235	20.486	ng/ul#	95
83) Butylbenzylphthalate	20.992	149	201314	22.127	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.955	252	170110	22.382	ng/ul	90
85) Benzo(a)anthracene	22.043	228	489182	20.302	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.879	149	288078	21.205	ng/ul	97
87) Chrysene	22.120	228	444458	20.317	ng/ul	97
89) Di-n-octyl phthalate	23.230	149	479826	25.642	ng/ul	100
90) Benzo(b)fluoranthene	24.499	252	502465m	21.743	ng/ul	
91) Benzo(k)fluoranthene	24.582	252	483540	20.514	ng/ul#	94
93) Benzo(a)pyrene	25.492	252	453857	20.314	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.846	276	562785m	19.698	ng/ul	
95) Dibenzo(a,h)anthracene	29.940	278	470713m	19.856	ng/ul	
96) Benzo(g,h,i)perylene	31.174	276	444808m	19.831	ng/ul	

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

