

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071323\
 Data File : BG058208.D
 Acq On : 13 Jul 2023 22:17
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020514

Quant Time: Jul 13 23:54:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 14:01:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.906	152	52441	20.000	ng/u1	0.00
20) Naphthalene-d8	10.708	136	238397	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	168092	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.283	188	388376	20.000	ng/u1	0.00
79) Chrysene-d12	21.543	240	340493	20.000	ng/u1	0.00
88) Perylene-d12	24.680	264	422872	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	12454	8.316	ng/uL	0.00
4) Pyridine-d5	3.758	84	88328	19.427	ng/u1	0.00
7) Phenol-d5	7.066	99	108264	20.215	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.230	67	68225	21.139	ng/u1	0.00
11) 2-Chlorophenol-d4	7.436	132	75341	20.397	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	82660	20.455	ng/u1	0.00
21) Nitrobenzene-d5	9.063	128	40341	20.762	ng/u1	0.00
24) 2-Nitrophenol-d4	9.786	143	44849	21.962	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.327	165	85508	21.827	ng/u1	0.00
31) 4-Chloroaniline-d4	10.844	131	119822	20.174	ng/u1	0.00
46) Dimethylphthalate-d6	13.946	166	268473	20.243	ng/u1	0.00
49) Acenaphthylene-d8	14.234	160	305321	21.096	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	41202	17.584	ng/u1	0.00
60) Fluorene-d10	15.532	176	234448	20.815	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	43098	20.436	ng/u1	0.00
73) Anthracene-d10	17.383	188	378571	21.006	ng/u1	0.00
81) Pyrene-d10	19.674	212	435666	20.316	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.463	264	444372	20.626	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.388	88	14213	7.682	ng/uL	94
5) Pyridine	3.775	79	95252	20.447	ng/u1	93
6) Benzaldehyde	7.042	77	32308	18.064	ng/u1	94
8) Phenol	7.095	94	111733	20.559	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.324	93	86137	20.527	ng/u1	98
12) 2-Chlorophenol	7.471	128	76692	19.952	ng/u1	95
13) 2-Methylphenol	8.347	108	87645	20.534	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.429	45	141402	21.891	ng/u1	97
16) Acetophenone	8.723	105	139936	20.872	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.711	70	73347	20.464	ng/u1	98
18) 4-Methylphenol	8.676	108	97371	21.098	ng/u1	98
19) Hexachloroethane	8.981	117	31267	21.219	ng/u1	94
22) Nitrobenzene	9.110	77	104441	20.706	ng/u1	99
23) Isophorone	9.627	82	221740	20.602	ng/u1	99
25) 2-Nitrophenol	9.815	139	47108	21.498	ng/u1	93
26) 2,4-Dimethylphenol	9.880	107	105148	21.339	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.109	93	123517	20.365	ng/u1	98
29) 2,4-Dichlorophenol	10.356	162	81957	21.517	ng/u1	93
30) Naphthalene	10.755	128	281938	21.044	ng/u1	100
32) 4-Chloroaniline	10.867	127	125541	20.672	ng/u1	99
33) Hexachlorobutadiene	11.037	225	58457	21.678	ng/u1	97
34) Caprolactam	11.619	113	29816m	19.471	ng/u1	
35) 4-Chloro-3-methylphenol	11.995	107	101180	21.625	ng/u1	96
36) 2-Methylnaphthalene	12.365	142	190165	21.056	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.583	142	192683	21.276	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.735	216	111591	21.784	ng/ul	97
40) Hexachlorocyclopentadiene	12.706	237	71348	22.113	ng/ul	97
41) 2,4,6-Trichlorophenol	12.976	196	75471	21.738	ng/ul	94
42) 2,4,5-Trichlorophenol	13.047	196	82753	22.040	ng/ul	99
43) 1,1'-Biphenyl	13.376	154	258631	21.351	ng/ul	97
44) 2-Chloronaphthalene	13.417	162	206054	21.195	ng/ul	97
45) 2-Nitroaniline	13.623	65	69228	20.481	ng/ul	98
47) Dimethylphthalate	13.993	163	272025	20.415	ng/ul	99
48) 2,6-Dinitrotoluene	14.116	165	56750	20.749	ng/ul	98
50) Acenaphthylene	14.263	152	330128	21.123	ng/ul	98
51) 3-Nitroaniline	14.451	138	39908	17.266	ng/ul	93
52) Acenaphthene	14.604	153	229139	21.366	ng/ul	97
53) 2,4-Dinitrophenol	14.657	184	31002	21.742	ng/ul	93
55) 4-Nitrophenol	14.757	109	31070	17.899	ng/ul	93
56) Dibenzofuran	14.939	168	324805	21.306	ng/ul	99
57) 2,4-Dinitrotoluene	14.904	165	80851	20.864	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.168	232	72886	21.324	ng/ul#	98
59) Diethylphthalate	15.356	149	275574	19.815	ng/ul	98
61) Fluorene	15.591	166	262833	21.012	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.579	204	137916	20.838	ng/ul	97
63) 4-Nitroaniline	15.609	138	26016	12.565	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.667	198	44801	20.773	ng/ul	100
67) N-Nitrosodiphenylamine	15.791	169	219197	21.207	ng/ul	99
68) 4-Bromophenyl-phenylether	16.472	248	92751	21.756	ng/ul	99
69) Hexachlorobenzene	16.590	284	105126	22.025	ng/ul	97
70) Atrazine	16.743	200	88276	20.886	ng/ul	99
71) Pentachlorophenol	16.936	266	60071	20.964	ng/ul	98
72) Phenanthrene	17.330	178	416287	21.072	ng/ul	99
74) Anthracene	17.418	178	417762	20.897	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.341	216	117553	22.822	ng/uL	98
76) Pentachlorobenzene	14.857	250	126155	22.933	ng/uL	97
77) Carbazole	17.688	167	379903	21.012	ng/ul	99
78) Di-n-butylphthalate	18.241	149	474440	20.600	ng/ul	100
80) Fluoranthene	19.340	202	505793	20.355	ng/ul	99
82) Pyrene	19.704	202	508588	20.333	ng/ul	100
83) Butylbenzylphthalate	20.585	149	212545	20.955	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.437	252	178736	21.683	ng/ul	99
85) Benzo(a)anthracene	21.519	228	508782	20.811	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.419	149	309799	21.314	ng/ul	98
87) Chrysene	21.584	228	485395	21.179	ng/ul	100
89) Di-n-octyl phthalate	22.600	149	541983	20.860	ng/ul	100
90) Benzo(b)fluoranthene	23.681	252	525143	20.057	ng/ul	99
91) Benzo(k)fluoranthene	23.746	252	528514	20.594	ng/ul	99
93) Benzo(a)pyrene	24.533	252	478269	20.637	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.258	276	629249	20.447	ng/ul	99
95) Dibenzo(a,h)anthracene	28.311	278	522364	20.584	ng/ul	98
96) Benzo(g,h,i)perylene	29.387	276	517233	20.577	ng/ul	99

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

