

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058466.D
 Acq On : 26 Jul 2023 6:00
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020542

Quant Time: Jul 26 06:45:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	55512	20.000	ng/u1	0.00
20) Naphthalene-d8	10.614	136	250284	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	178422	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	408994	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	348437	20.000	ng/u1	0.00
88) Perylene-d12	24.516	264	438229	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.235	96	13142	8.714	ng/uL	0.00
4) Pyridine-d5	3.652	84	99150	22.148	ng/u1	0.00
7) Phenol-d5	6.983	99	115884	22.006	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	71053	21.587	ng/u1	0.00
11) 2-Chlorophenol-d4	7.347	132	83121	22.549	ng/u1	0.00
15) 4-Methylphenol-d8	8.528	113	87046	21.671	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	42284	22.539	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	49103	23.975	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.238	165	94544	24.081	ng/u1	0.00
31) 4-Chloroaniline-d4	10.755	131	125870	22.115	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	284956	20.711	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	330515	22.923	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	32948	15.857	ng/u1	0.00
60) Fluorene-d10	15.456	176	256404	22.509	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	32335	15.518	ng/u1	0.00
73) Anthracene-d10	17.306	188	406677	23.012	ng/u1	0.00
81) Pyrene-d10	19.598	212	467595	22.721	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.304	264	472887	22.326	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.270	88	14962	8.746	ng/uL#	90
5) Pyridine	3.669	79	106694	22.568	ng/u1	95
6) Benzaldehyde	6.954	77	39565m	18.604	ng/u1	
8) Phenol	7.013	94	119808	21.908	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.236	93	91152	21.757	ng/u1	97
12) 2-Chlorophenol	7.377	128	87077	22.567	ng/u1	98
13) 2-Methylphenol	8.264	108	93047	21.830	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.346	45	148370	21.611	ng/u1	98
16) Acetophenone	8.640	105	147608	21.578	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.622	70	77101	20.594	ng/u1	99
18) 4-Methylphenol	8.587	108	100415	21.678	ng/u1	97
19) Hexachloroethane	8.893	117	34784	22.870	ng/u1	95
22) Nitrobenzene	9.022	77	111130	22.213	ng/u1	99
23) Isophorone	9.539	82	233348	20.804	ng/u1	99
25) 2-Nitrophenol	9.733	139	51718	23.641	ng/u1	96
26) 2,4-Dimethylphenol	9.792	107	110924	22.740	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.027	93	127413	21.449	ng/u1	98
29) 2,4-Dichlorophenol	10.268	162	88026	23.622	ng/u1	95
30) Naphthalene	10.667	128	302744	22.630	ng/u1	100
32) 4-Chloroaniline	10.779	127	127596	21.934	ng/u1	98
33) Hexachlorobutadiene	10.943	225	65132	24.443	ng/u1	94
34) Caprolactam	11.531	113	30673	19.818	ng/u1	97
35) 4-Chloro-3-methylphenol	11.913	107	107895	22.751	ng/u1	93
36) 2-Methylnaphthalene	12.283	142	202089	22.547	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.500	142	205015	22.318	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.653	216	122725	23.761	ng/ul	99
40) Hexachlorocyclopentadiene	12.624	237	43779	15.760	ng/ul	96
41) 2,4,6-Trichlorophenol	12.894	196	83002	23.739	ng/ul	99
42) 2,4,5-Trichlorophenol	12.970	196	87581	23.490	ng/ul	97
43) 1,1'-Biphenyl	13.293	154	273147	22.640	ng/ul	99
44) 2-Chloronaphthalene	13.335	162	220876	23.026	ng/ul	96
45) 2-Nitroaniline	13.546	65	75575	22.681	ng/ul	98
47) Dimethylphthalate	13.916	163	291711	21.108	ng/ul	99
48) 2,6-Dinitrotoluene	14.040	165	62156	23.275	ng/ul	96
50) Acenaphthylene	14.187	152	355347	22.832	ng/ul	100
51) 3-Nitroaniline	14.369	138	42164	18.945	ng/ul	95
52) Acenaphthene	14.527	153	245244	22.695	ng/ul	98
53) 2,4-Dinitrophenol	14.592	184	17790m	12.517	ng/ul	
55) 4-Nitrophenol	14.692	109	27123	16.949	ng/ul	97
56) Dibenzofuran	14.862	168	348101	22.624	ng/ul	99
57) 2,4-Dinitrotoluene	14.833	165	87682	22.764	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.091	232	73506	21.339	ng/ul#	98
59) Diethylphthalate	15.279	149	296595	20.833	ng/ul	99
61) Fluorene	15.509	166	279522	22.153	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.503	204	152395	22.751	ng/ul	97
63) 4-Nitroaniline	15.532	138	28381m	14.093	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.597	198	34355	16.025	ng/ul	98
67) N-Nitrosodiphenylamine	15.720	169	237457	23.422	ng/ul	99
68) 4-Bromophenyl-phenylether	16.396	248	105705	24.401	ng/ul	95
69) Hexachlorobenzene	16.513	284	116867	23.908	ng/ul	99
70) Atrazine	16.666	200	93626	23.555	ng/ul	96
71) Pentachlorophenol	16.866	266	39654m	14.452	ng/ul	
72) Phenanthrene	17.248	178	441230	22.701	ng/ul	97
74) Anthracene	17.342	178	443083	22.708	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.258	216	130361	25.411	ng/ul	99
76) Pentachlorobenzene	14.780	250	139924	24.942	ng/ul	97
77) Carbazole	17.612	167	392717	23.218	ng/ul	99
78) Di-n-butylphthalate	18.164	149	509227	23.693	ng/ul	100
80) Fluoranthene	19.263	202	535441	22.711	ng/ul	100
82) Pyrene	19.627	202	537848	22.515	ng/ul	99
83) Butylbenzylphthalate	20.514	149	224822	23.900	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.349	252	178133	22.902	ng/ul	98
85) Benzo(a)anthracene	21.431	228	548476	23.419	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.331	149	333087	24.895	ng/ul	100
87) Chrysene	21.490	228	520995	23.453	ng/ul	99
89) Di-n-octyl phthalate	22.483	149	584197	25.055	ng/ul	100
90) Benzo(b)fluoranthene	23.540	252	581536	22.935	ng/ul	100
91) Benzo(k)fluoranthene	23.605	252	551977	21.827	ng/ul	99
93) Benzo(a)pyrene	24.375	252	503411	22.322	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.006	276	652860	21.972	ng/ul	99
95) Dibenzo(a,h)anthracene	28.058	278	541148	22.210	ng/ul	100
96) Benzo(g,h,i)perylene	29.098	276	517723m	21.386	ng/ul	

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

