

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058444.D
 Acq On : 25 Jul 2023 11:59
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020540

Quant Time: Jul 25 12:40:31 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 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	48252	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	228391	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	164789	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	395695	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	342589	20.000	ng/u1	0.00
88) Perylene-d12	24.521	264	426539	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	12753	9.728	ng/uL	0.00
4) Pyridine-d5	3.652	84	82056	21.088	ng/u1	0.00
7) Phenol-d5	6.983	99	97007	21.193	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	64508	22.548	ng/u1	0.00
11) 2-Chlorophenol-d4	7.347	132	70504	22.004	ng/u1	0.00
15) 4-Methylphenol-d8	8.528	113	76958	22.042	ng/u1	0.00
21) Nitrobenzene-d5	8.975	128	37765	22.060	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	43086	23.054	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	80867	22.571	ng/u1	0.00
31) 4-Chloroaniline-d4	10.755	131	110643	21.303	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	274375	21.592	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	306914	23.047	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	36115	18.819	ng/u1	0.00
60) Fluorene-d10	15.456	176	237540	22.579	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	43507	21.581	ng/u1	0.00
73) Anthracene-d10	17.306	188	386558	22.609	ng/u1	0.00
81) Pyrene-d10	19.598	212	463638	22.913	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.304	264	459525	22.290	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.270	88	13754	9.249	ng/uL	89
5) Pyridine	3.669	79	88720	21.590	ng/u1	97
6) Benzaldehyde	6.954	77	25954m	14.040	ng/u1	
8) Phenol	7.013	94	102101	21.479	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.236	93	80932	22.224	ng/u1	97
12) 2-Chlorophenol	7.377	128	75062	22.380	ng/u1	95
13) 2-Methylphenol	8.264	108	80932	21.845	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.346	45	141651m	23.736	ng/u1	
16) Acetophenone	8.640	105	134170	22.565	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.622	70	73550	22.601	ng/u1	98
18) 4-Methylphenol	8.593	108	90621	22.507	ng/u1	97
19) Hexachloroethane	8.893	117	30625	23.165	ng/u1	91
22) Nitrobenzene	9.022	77	96105	21.051	ng/u1	99
23) Isophorone	9.539	82	219025	21.399	ng/u1	99
25) 2-Nitrophenol	9.733	139	44803	22.443	ng/u1	93
26) 2,4-Dimethylphenol	9.792	107	100481	22.574	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.027	93	120673	22.262	ng/u1	98
29) 2,4-Dichlorophenol	10.268	162	76437	22.479	ng/u1	97
30) Naphthalene	10.667	128	274799	22.510	ng/u1	98
32) 4-Chloroaniline	10.779	127	112281	21.152	ng/u1	98
33) Hexachlorobutadiene	10.949	225	56708	23.322	ng/u1	96
34) Caprolactam	11.531	113	29541m	20.916	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	95935	22.169	ng/u1	96
36) 2-Methylnaphthalene	12.283	142	184544	22.563	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.500	142	188913	22.537	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.653	216	108731	22.793	ng/ul	97
40) Hexachlorocyclopentadiene	12.630	237	46851	18.261	ng/ul	98
41) 2,4,6-Trichlorophenol	12.894	196	73829	22.863	ng/ul	98
42) 2,4,5-Trichlorophenol	12.970	196	76368	22.177	ng/ul	99
43) 1,1'-Biphenyl	13.293	154	252607	22.670	ng/ul	100
44) 2-Chloronaphthalene	13.340	162	202146	22.817	ng/ul	97
45) 2-Nitroaniline	13.546	65	67018	21.777	ng/ul	94
47) Dimethylphthalate	13.916	163	278161	21.793	ng/ul	98
48) 2,6-Dinitrotoluene	14.040	165	58210	23.600	ng/ul	97
50) Acenaphthylene	14.186	152	328026	22.820	ng/ul	98
51) 3-Nitroaniline	14.374	138	34258	16.667	ng/ul	92
52) Acenaphthene	14.527	153	228623	22.908	ng/ul	99
53) 2,4-Dinitrophenol	14.586	184	21461	16.349	ng/ul	93
55) 4-Nitrophenol	14.686	109	29110	19.696	ng/ul	91
56) Dibenzofuran	14.862	168	319180	22.460	ng/ul	99
57) 2,4-Dinitrotoluene	14.833	165	83565	23.490	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.091	232	72743	22.865	ng/ul#	97
59) Diethylphthalate	15.279	149	286623	21.798	ng/ul	99
61) Fluorene	15.514	166	265319	22.767	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.503	204	139822	22.600	ng/ul	98
63) 4-Nitroaniline	15.538	138	27369m	14.715	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.597	198	44848	21.623	ng/ul	99
67) N-Nitrosodiphenylamine	15.720	169	220086	22.438	ng/ul	99
68) 4-Bromophenyl-phenylether	16.402	248	95592	22.808	ng/ul	96
69) Hexachlorobenzene	16.513	284	108518	22.946	ng/ul	98
70) Atrazine	16.666	200	90411	23.510	ng/ul	97
71) Pentachlorophenol	16.866	266	51843m	19.529	ng/ul	
72) Phenanthrene	17.253	178	427776	22.749	ng/ul	98
74) Anthracene	17.342	178	429622	22.758	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.258	216	115131	23.196	ng/uL	97
76) Pentachlorobenzene	14.786	250	123989	22.844	ng/uL	94
77) Carbazole	17.612	167	388001	23.710	ng/ul	100
78) Di-n-butylphthalate	18.170	149	503664	24.222	ng/ul	99
80) Fluoranthene	19.263	202	528794	22.812	ng/ul	99
82) Pyrene	19.627	202	531235	22.618	ng/ul	99
83) Butylbenzylphthalate	20.514	149	226444	24.484	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.349	252	159983	20.919	ng/ul#	99
85) Benzo(a)anthracene	21.431	228	522678	22.698	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.337	149	335475	25.502	ng/ul	98
87) Chrysene	21.496	228	499125	22.852	ng/ul	98
89) Di-n-octyl phthalate	22.489	149	584162	25.740	ng/ul	100
90) Benzo(b)fluoranthene	23.546	252	557361	22.584	ng/ul	98
91) Benzo(k)fluoranthene	23.605	252	540953	21.978	ng/ul	98
93) Benzo(a)pyrene	24.369	252	488105	22.237	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.011	276	647792	22.399	ng/ul	100
95) Dibenzo(a,h)anthracene	28.064	278	523947	22.093	ng/ul	97
96) Benzo(g,h,i)perylene	29.098	276	532787	22.611	ng/ul	98

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

