

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092723\
 Data File : BG059220.D
 Acq On : 27 Sep 2023 20:56
 Operator : MA/JU
 Sample : SSTD04034
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040438

Quant Time: Sep 28 04:16:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 03:42:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/29/2023

09/28/2023
 Supervised By :mohammad
 ahmed

09/29/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.234	152	47509	20.000	ng/u1	0.00
20) Naphthalene-d8	11.078	136	233805	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.868	164	145858	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.617	188	320248m	20.000	ng/u1	0.00
79) Chrysene-d12	21.924	240	275249	20.000	ng/u1	0.00
88) Perylene-d12	25.414	264	325818	20.000	ng/u1	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.528	96	18432m	15.047	ng/uL	0.00
4) Pyridine-d5	3.963	84	149754	41.317	ng/u1	0.00
7) Phenol-d5	7.359	99	194947	41.696	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.553	67	124644	43.155	ng/u1	0.00
11) 2-Chlorophenol-d4	7.747	132	137815	40.709	ng/u1	0.00
15) 4-Methylphenol-d8	8.928	113	154905	41.938	ng/u1	0.00
21) Nitrobenzene-d5	9.433	128	72774	41.628	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	73805	41.637	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.678	165	144608	42.354	ng/u1	0.00
31) 4-Chloroaniline-d4	11.219	131	220983	41.470	ng/u1	0.00
46) Dimethylphthalate-d6	14.268	166	439836	39.816	ng/u1	0.00
49) Acenaphthylene-d8	14.574	160	551995	40.657	ng/u1	0.00
54) 4-Nitrophenol-d4	15.062	143	78020	39.020	ng/u1	0.00
60) Fluorene-d10	15.855	176	408746	40.210	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.972	200	67603m	37.794	ng/u1	0.00
73) Anthracene-d10	17.717	188	602205	41.743	ng/u1	0.00
81) Pyrene-d10	19.991	212	662551	41.839	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.167	264	665667	42.254	ng/u1	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.563	88	20629	14.695	ng/uL# 78
5) Pyridine	3.986	79	154308	42.613	ng/u1 94
6) Benzaldehyde	7.376	77	99907	42.019	ng/u1 93
8) Phenol	7.388	94	195360	40.961	ng/u1 93
10) Bis(2-Chloroethyl)ether	7.653	93	156914	40.993	ng/u1 94
12) 2-Chlorophenol	7.788	128	141513	40.805	ng/u1 96
13) 2-Methylphenol	8.663	108	145050	40.909	ng/u1 93
14) 2,2'-oxybis(1-Chloropr...	8.740	45	351846	43.394	ng/u1 98
16) Acetophenone	9.074	105	231672	40.537	ng/u1 94
17) N-Nitroso-di-n-propyla...	9.045	70	117845	40.603	ng/u1# 91
18) 4-Methylphenol	8.998	108	156612	41.204	ng/u1 89
19) Hexachloroethane	9.321	117	55603	40.711	ng/u1 97
22) Nitrobenzene	9.474	77	173310	42.533	ng/u1 99
23) Isophorone	9.985	82	364224	41.937	ng/u1 98
25) 2-Nitrophenol	10.185	139	80197	40.608	ng/u1 95
26) 2,4-Dimethylphenol	10.214	107	160829	41.945	ng/u1 92
27) Bis(2-Chloroethoxy)met...	10.467	93	227750	41.604	ng/u1 96
29) 2,4-Dichlorophenol	10.708	162	143158	41.453	ng/u1 96
30) Naphthalene	11.125	128	520117	41.822	ng/u1 97
32) 4-Chloroaniline	11.248	127	214222	40.781	ng/u1 98
33) Hexachlorobutadiene	11.354	225	89698	40.456	ng/u1 96
34) Caprolactam	12.030	113	47646m	38.995	ng/u1
35) 4-Chloro-3-methylphenol	12.329	107	151872	41.467	ng/u1 93
36) 2-Methylnaphthalene	12.711	142	339022	40.812	ng/u1 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.929	142	339463	40.318	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	13.058	216	170874	40.176	ng/ul	96
40) Hexachlorocyclopentadiene	13.011	237	113272	41.505	ng/ul	99
41) 2,4,6-Trichlorophenol	13.299	196	114063	41.215	ng/ul#	88
42) 2,4,5-Trichlorophenol	13.375	196	116693	39.014	ng/ul	94
43) 1,1'-Biphenyl	13.704	154	475701	40.739	ng/ul	98
44) 2-Chloronaphthalene	13.757	162	360182	40.602	ng/ul	97
45) 2-Nitroaniline	13.980	65	113307	41.227	ng/ul	92
47) Dimethylphthalate	14.315	163	440527	38.981	ng/ul	99
48) 2,6-Dinitrotoluene	14.456	165	84013	41.538	ng/ul	90
50) Acenaphthylene	14.603	152	577899	39.731	ng/ul	99
51) 3-Nitroaniline	14.797	138	88995	39.693	ng/ul#	96
52) Acenaphthene	14.932	153	393947	39.955	ng/ul	95
53) 2,4-Dinitrophenol	14.991	184	41744	34.256	ng/ul	90
55) 4-Nitrophenol	15.079	109	54242	40.450	ng/ul	90
56) Dibenzofuran	15.267	168	521083	39.790	ng/ul	98
57) 2,4-Dinitrotoluene	15.238	165	121133	41.045	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.473	232	108902	39.829	ng/ul#	97
59) Diethylphthalate	15.661	149	427543	38.689	ng/ul	98
61) Fluorene	15.914	166	438597	39.693	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.896	204	213779	38.718	ng/ul	94
63) 4-Nitroaniline	15.961	138	82195	38.697	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.984	198	75773m	39.841	ng/ul	
67) N-Nitrosodiphenylamine	16.119	169	353997	41.641	ng/ul	99
68) 4-Bromophenyl-phenylether	16.795	248	125473	40.759	ng/ul	98
69) Hexachlorobenzene	16.883	284	142018	40.250	ng/ul	96
70) Atrazine	17.053	200	137586	41.986	ng/ul	97
71) Pentachlorophenol	17.241	266	84996m	37.915	ng/ul	
72) Phenanthrene	17.664	178	728655m	41.105	ng/ul	
74) Anthracene	17.753	178	738496	40.708	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.663	216	174914	41.298	ng/ul	98
76) Pentachlorobenzene	15.161	250	170698	43.009	ng/ul	96
77) Carbazole	18.029	167	615213m	41.060	ng/ul	
78) Di-n-butylphthalate	18.534	149	744100	40.560	ng/ul	99
80) Fluoranthene	19.656	202	828530	41.990	ng/ul	99
82) Pyrene	20.020	202	859696	41.596	ng/ul	100
83) Butylbenzylphthalate	20.878	149	315626	42.486	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.818	252	282529	43.068	ng/ul	96
85) Benzo(a)anthracene	21.901	228	824730	41.623	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.736	149	484499	43.301	ng/ul	97
87) Chrysene	21.971	228	777678	42.261	ng/ul	99
89) Di-n-octyl phthalate	23.035	149	804266	41.228	ng/ul	100
90) Benzo(b)fluoranthene	24.280	252	865666	43.950	ng/ul	96
91) Benzo(k)fluoranthene	24.362	252	857982	42.162	ng/ul	97
93) Benzo(a)pyrene	25.244	252	793315	42.071	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.439	276	905124m	41.973	ng/ul	
95) Dibenzo(a,h)anthracene	29.515	278	741137	42.736	ng/ul	97
96) Benzo(g,h,i)perylene	30.720	276	721337	41.609	ng/ul	93

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

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