

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059174.D
 Acq On : 22 Sep 2023 23:31
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020569

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/23/2023
 Supervised By :mohammad ahmed 09/23/2023

Quant Time: Sep 23 02:00:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.313	152	44851	20.000	ng/u1	0.01
20) Naphthalene-d8	11.156	136	210669	20.000	ng/u1	# 0.01
38) Acenaphthene-d10	14.940	164	132060	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.690	188	284515	20.000	ng/u1	0.01
79) Chrysene-d12	22.014	240	229882	20.000	ng/u1	0.02
88) Perylene-d12	25.569	264	261359	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.624	96	11360	9.914	ng/uL	0.01
4) Pyridine-d5	4.053	84	82156	24.440	ng/u1	0.00
7) Phenol-d5	7.437	99	94770	21.489	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.631	67	52907	19.549	ng/u1	0.01
11) 2-Chlorophenol-d4	7.831	132	69187	21.259	ng/u1	0.02
15) 4-Methylphenol-d8	9.006	113	71798	20.442	ng/u1	0.02
21) Nitrobenzene-d5	9.511	128	35413	21.784	ng/u1	0.02
24) 2-Nitrophenol-d4	10.228	143	38018	23.151	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.757	165	71650	22.982	ng/u1	0.02
31) 4-Chloroaniline-d4	11.297	131	93996	19.317	ng/u1	0.01
46) Dimethylphthalate-d6	14.335	166	204593	20.144	ng/u1	0.01
49) Acenaphthylene-d8	14.640	160	258277	20.885	ng/u1	0.01
54) 4-Nitrophenol-d4	15.122	143	24812	13.390	ng/u1	0.02
60) Fluorene-d10	15.927	176	192747	20.733	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	16.033	200	20149	12.457	ng/u1	0.01
73) Anthracene-d10	17.790	188	268495	20.740	ng/u1	0.01
81) Pyrene-d10	20.058	212	292807	21.792	ng/u1	0.01
92) Benzo(a)pyrene-d12	25.316	264	268000	21.000	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.665	88	11378	8.782	ng/uL#	91
5) Pyridine	4.076	79	77705	22.685	ng/u1	96
6) Benzaldehyde	7.455	77	52070	22.770	ng/u1	95
8) Phenol	7.466	94	95089	20.978	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.725	93	72852	20.018	ng/u1	95
12) 2-Chlorophenol	7.860	128	73124	22.022	ng/u1	98
13) 2-Methylphenol	8.736	108	72591	21.579	ng/u1	86
14) 2,2'-oxybis(1-Chloropr...	8.818	45	156350	20.692	ng/u1	99
16) Acetophenone	9.159	105	104323	19.293	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.123	70	53511	19.576	ng/u1	95
18) 4-Methylphenol	9.070	108	73863	20.489	ng/u1	90
19) Hexachloroethane	9.394	117	27219	20.849	ng/u1	90
22) Nitrobenzene	9.552	77	78773	21.399	ng/u1	89
23) Isophorone	10.063	82	163765	20.746	ng/u1	99
25) 2-Nitrophenol	10.263	139	41525	22.627	ng/u1	96
26) 2,4-Dimethylphenol	10.287	107	74984	21.854	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.545	93	102059	20.781	ng/u1	99
29) 2,4-Dichlorophenol	10.786	162	73674	23.377	ng/u1	99
30) Naphthalene	11.209	128	237960	21.109	ng/u1	97
32) 4-Chloroaniline	11.327	127	91619	19.127	ng/u1	95
33) Hexachlorobutadiene	11.438	225	43882	21.633	ng/u1#	84
34) Caprolactam	12.114	113	22104m	19.152	ng/u1	
35) 4-Chloro-3-methylphenol	12.402	107	72958	21.978	ng/u1	98
36) 2-Methylnaphthalene	12.790	142	159459	21.179	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.007	142	158433	20.831	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.130	216	84185	21.745	ng/ul	98
40) Hexachlorocyclopentadiene	13.083	237	45770	18.544	ng/ul	95
41) 2,4,6-Trichlorophenol	13.377	196	56837	22.482	ng/ul	92
42) 2,4,5-Trichlorophenol	13.448	196	58986	21.570	ng/ul	99
43) 1,1'-Biphenyl	13.777	154	222806	21.137	ng/ul	95
44) 2-Chloronaphthalene	13.830	162	166147	20.643	ng/ul	97
45) 2-Nitroaniline	14.047	65	49398	19.362	ng/ul	97
47) Dimethylphthalate	14.382	163	202819	19.552	ng/ul	97
48) 2,6-Dinitrotoluene	14.529	165	40549	21.153	ng/ul#	90
50) Acenaphthylene	14.670	152	276954	20.967	ng/ul	97
51) 3-Nitroaniline	14.864	138	36617	17.312	ng/ul	86
52) Acenaphthene	15.005	153	187105	20.888	ng/ul	98
53) 2,4-Dinitrophenol	15.058	184	6556	5.676	ng/ul	94
55) 4-Nitrophenol	15.140	109	17697	14.451	ng/ul	95
56) Dibenzofuran	15.334	168	245301	20.646	ng/ul	100
57) 2,4-Dinitrotoluene	15.298	165	56521	20.452	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.545	232	50726	20.039	ng/ul#	88
59) Diethylphthalate	15.722	149	200787	19.643	ng/ul	97
61) Fluorene	15.980	166	205589	20.265	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.962	204	105491	20.951	ng/ul	92
63) 4-Nitroaniline	16.021	138	24099	12.291	ng/ul	89
66) 4,6-Dinitro-2-methylph...	16.051	198	22075	12.662	ng/ul#	94
67) N-Nitrosodiphenylamine	16.186	169	163817	21.626	ng/ul	99
68) 4-Bromophenyl-phenylether	16.861	248	63074	22.786	ng/ul	93
69) Hexachlorobenzene	16.955	284	69432	21.898	ng/ul	93
70) Atrazine	17.120	200	65391	21.696	ng/ul	94
71) Pentachlorophenol	17.314	266	30454m	14.787	ng/ul	
72) Phenanthrene	17.731	178	330903	20.783	ng/ul	97
74) Anthracene	17.825	178	334702	20.573	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.736	216	89517	23.600	ng/uL	95
76) Pentachlorobenzene	15.228	250	80979	23.081	ng/uL	94
77) Carbazole	18.101	167	251554	18.598	ng/ul	98
78) Di-n-butylphthalate	18.600	149	350944	21.062	ng/ul	99
80) Fluoranthene	19.723	202	368603	22.014	ng/ul	100
82) Pyrene	20.087	202	383703	21.969	ng/ul	100
83) Butylbenzylphthalate	20.945	149	146150	23.166	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.902	252	105604	19.010	ng/ul	97
85) Benzo(a)anthracene	21.991	228	344880	20.664	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.820	149	227741	24.128	ng/ul	99
87) Chrysene	22.061	228	321783	20.674	ng/ul	98
89) Di-n-octyl phthalate	23.142	149	374801	23.456	ng/ul	100
90) Benzo(b)fluoranthene	24.417	252	349932	21.973	ng/ul	99
91) Benzo(k)fluoranthene	24.494	252	351028	21.259	ng/ul	98
93) Benzo(a)pyrene	25.398	252	318251	20.793	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.687	276	334924m	19.240	ng/ul	
95) Dibenzo(a,h)anthracene	29.770	278	253160m	18.097	ng/ul	
96) Benzo(g,h,i)perylene	30.998	276	292980m	20.894	ng/ul	

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

