

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059154.D
 Acq On : 22 Sep 2023 1:32
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020567

Quant Time: Sep 22 02:44:18 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	36537	20.000	ng/u1	0.00
20) Naphthalene-d8	11.138	136	184641	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.928	164	122891	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.672	188	268841	20.000	ng/u1	0.00
79) Chrysene-d12	21.996	240	224257	20.000	ng/u1	0.00
88) Perylene-d12	25.545	264	264888	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.606	96	7387	7.914	ng/uL	0.00
4) Pyridine-d5	4.041	84	55871	20.402	ng/u1	0.00
7) Phenol-d5	7.413	99	80180	22.318	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.613	67	45864	20.803	ng/u1	0.00
11) 2-Chlorophenol-d4	7.807	132	55812	21.051	ng/u1	0.00
15) 4-Methylphenol-d8	8.982	113	64129	22.413	ng/u1	0.00
21) Nitrobenzene-d5	9.493	128	29790	20.908	ng/u1	0.00
24) 2-Nitrophenol-d4	10.216	143	33694	23.410	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.739	165	64154	23.478	ng/u1	0.00
31) 4-Chloroaniline-d4	11.279	131	93765	21.986	ng/u1	0.00
46) Dimethylphthalate-d6	14.317	166	193941	20.520	ng/u1	0.00
49) Acenaphthylene-d8	14.628	160	244954	21.286	ng/u1	0.00
54) 4-Nitrophenol-d4	15.098	143	34885	20.231	ng/u1	0.00
60) Fluorene-d10	15.909	176	178253	20.604	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.021	200	31413	20.552	ng/u1	0.00
73) Anthracene-d10	17.772	188	263212	21.518	ng/u1	0.00
81) Pyrene-d10	20.045	212	280748	21.418	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.286	264	282582	21.848	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.647	88	8401	7.959	ng/uL#	45
5) Pyridine	4.058	79	57510	20.610	ng/u1	91
6) Benzaldehyde	7.442	77	44747	24.021	ng/u1	99
8) Phenol	7.442	94	82099	22.233	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.707	93	62298	21.013	ng/u1	96
12) 2-Chlorophenol	7.842	128	58202	21.517	ng/u1	97
13) 2-Methylphenol	8.712	108	61708	22.518	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.806	45	138576	22.513	ng/u1	98
16) Acetophenone	9.140	105	93971	21.333	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.105	70	47274	21.229	ng/u1	91
18) 4-Methylphenol	9.046	108	65945	22.455	ng/u1	99
19) Hexachloroethane	9.381	117	22739	21.381	ng/u1	98
22) Nitrobenzene	9.534	77	67644	20.966	ng/u1	96
23) Isophorone	10.045	82	146221	21.134	ng/u1	97
25) 2-Nitrophenol	10.245	139	35555	22.105	ng/u1	97
26) 2,4-Dimethylphenol	10.269	107	66194	22.011	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.527	93	93490	21.720	ng/u1	96
29) 2,4-Dichlorophenol	10.762	162	65126	23.578	ng/u1	96
30) Naphthalene	11.191	128	213707	21.630	ng/u1	99
32) 4-Chloroaniline	11.303	127	88514	21.084	ng/u1	93
33) Hexachlorobutadiene	11.420	225	40258	22.644	ng/u1#	85
34) Caprolactam	12.084	113	20854m	20.616	ng/u1	
35) 4-Chloro-3-methylphenol	12.378	107	66522	22.864	ng/u1	97
36) 2-Methylnaphthalene	12.771	142	143514	21.748	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.989	142	144564	21.687	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	13.112	216	75381	20.923	ng/ul	95
40) Hexachlorocyclopentadiene	13.065	237	43825	19.080	ng/ul	98
41) 2,4,6-Trichlorophenol	13.353	196	50765	21.578	ng/ul	90
42) 2,4,5-Trichlorophenol	13.424	196	57168	22.465	ng/ul	96
43) 1,1'-Biphenyl	13.764	154	206262	21.028	ng/ul	96
44) 2-Chloronaphthalene	13.811	162	157485	21.027	ng/ul	99
45) 2-Nitroaniline	14.029	65	51215	21.572	ng/ul	97
47) Dimethylphthalate	14.364	163	197239	20.432	ng/ul	100
48) 2,6-Dinitrotoluene	14.511	165	39232	21.993	ng/ul	93
50) Acenaphthylene	14.658	152	258613	21.039	ng/ul	99
51) 3-Nitroaniline	14.851	138	42429	21.557	ng/ul	88
52) Acenaphthene	14.992	153	170825	20.493	ng/ul	96
53) 2,4-Dinitrophenol	15.039	184	19708	18.336	ng/ul#	82
55) 4-Nitrophenol	15.116	109	22638	19.865	ng/ul	91
56) Dibenzofuran	15.321	168	225373	20.384	ng/ul	98
57) 2,4-Dinitrotoluene	15.286	165	56427	21.941	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.527	232	48440	20.564	ng/ul#	89
59) Diethylphthalate	15.709	149	181447	19.075	ng/ul	99
61) Fluorene	15.968	166	190357	20.164	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.950	204	97171	20.739	ng/ul	93
63) 4-Nitroaniline	16.003	138	35320	19.358	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.032	198	32418	19.678	ng/ul#	90
67) N-Nitrosodiphenylamine	16.168	169	149272	20.855	ng/ul	93
68) 4-Bromophenyl-phenylether	16.849	248	56725	21.687	ng/ul	99
69) Hexachlorobenzene	16.937	284	65885	21.991	ng/ul	96
70) Atrazine	17.102	200	60178	21.130	ng/ul	98
71) Pentachlorophenol	17.296	266	43127	22.161	ng/ul	95
72) Phenanthrene	17.719	178	318484	21.169	ng/ul	97
74) Anthracene	17.807	178	313959	20.424	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.723	216	81960	22.867	ng/uL	92
76) Pentachlorobenzene	15.216	250	75085	22.649	ng/uL	94
77) Carbazole	18.083	167	262183	20.514	ng/ul	98
78) Di-n-butylphthalate	18.588	149	320261	20.341	ng/ul	99
80) Fluoranthene	19.710	202	348011	21.306	ng/ul	98
82) Pyrene	20.075	202	365877	21.474	ng/ul	97
83) Butylbenzylphthalate	20.933	149	137159	22.287	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.884	252	129449	23.887	ng/ul	98
85) Benzo(a)anthracene	21.972	228	351980	21.618	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.802	149	207769	22.564	ng/ul	99
87) Chrysene	22.043	228	325953	21.467	ng/ul	98
89) Di-n-octyl phthalate	23.124	149	347347	21.448	ng/ul	100
90) Benzo(b)fluoranthene	24.387	252	354625	21.971	ng/ul	99
91) Benzo(k)fluoranthene	24.470	252	354311m	21.172	ng/ul	
93) Benzo(a)pyrene	25.368	252	339732	21.901	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.640	276	376252m	21.327	ng/ul	
95) Dibenzo(a,h)anthracene	29.728	278	306976	21.652	ng/ul	98
96) Benzo(g,h,i)perylene	30.950	276	308449m	21.704	ng/ul	

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

