

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092523\
 Data File : BG059176.D
 Acq On : 25 Sep 2023 9:38
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020570

Quant Time: Sep 25 22:45:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 22:33:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/26/2023
 Supervised By :mohammad ahmed 09/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	46549	20.000	ng/u1	0.00
20) Naphthalene-d8	11.149	136	211292	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.933	164	134843	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.683	188	314410m	20.000	ng/u1	0.00
79) Chrysene-d12	22.007	240	279317m	20.000	ng/u1	0.00
88) Perylene-d12	25.562	264	316364	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.623	96	10942	9.201	ng/uL	0.00
4) Pyridine-d5	4.058	84	75160	21.543	ng/u1	0.00
7) Phenol-d5	7.430	99	93049	20.329	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.624	67	60547	21.556	ng/u1	0.00
11) 2-Chlorophenol-d4	7.824	132	70369	20.833	ng/u1	0.00
15) 4-Methylphenol-d8	8.999	113	71796	19.696	ng/u1	0.00
21) Nitrobenzene-d5	9.504	128	34271	21.020	ng/u1	0.00
24) 2-Nitrophenol-d4	10.221	143	37053	22.497	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.750	165	68933	22.045	ng/u1	0.00
31) 4-Chloroaniline-d4	11.296	131	100150	20.521	ng/u1	0.00
46) Dimethylphthalate-d6	14.328	166	221467	21.356	ng/u1	0.00
49) Acenaphthylene-d8	14.634	160	267676	21.198	ng/u1	0.00
54) 4-Nitrophenol-d4	15.121	143	28809m	15.226	ng/u1	0.00
60) Fluorene-d10	15.920	176	207801	21.891	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	34397m	19.243	ng/u1	0.00
73) Anthracene-d10	17.783	188	303993	21.250	ng/u1	0.00
81) Pyrene-d10	20.057	212	353056	21.625	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.315	264	322681	20.888	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.658	88	12076	8.980	ng/uL#	87
5) Pyridine	4.075	79	75559	21.254	ng/u1	94
6) Benzaldehyde	7.454	77	56641	23.866	ng/u1	95
8) Phenol	7.460	94	96938	20.605	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.724	93	77842	20.609	ng/u1	94
12) 2-Chlorophenol	7.859	128	72200	20.951	ng/u1	92
13) 2-Methylphenol	8.729	108	68443	19.604	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.817	45	168499	21.486	ng/u1#	96
16) Acetophenone	9.146	105	110639	19.714	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.111	70	56968	20.080	ng/u1#	93
18) 4-Methylphenol	9.064	108	73464	19.635	ng/u1	85
19) Hexachloroethane	9.393	117	28589	21.100	ng/u1	99
22) Nitrobenzene	9.551	77	82684	22.395	ng/u1	91
23) Isophorone	10.057	82	174646	22.059	ng/u1	99
25) 2-Nitrophenol	10.262	139	41057	22.306	ng/u1	91
26) 2,4-Dimethylphenol	10.280	107	74834	21.746	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.538	93	107862	21.898	ng/u1	99
29) 2,4-Dichlorophenol	10.779	162	67903	21.482	ng/u1	93
30) Naphthalene	11.202	128	243995	21.580	ng/u1	97
32) 4-Chloroaniline	11.320	127	98425	20.487	ng/u1	94
33) Hexachlorobutadiene	11.431	225	43555	21.408	ng/u1#	76
34) Caprolactam	12.101	113	26895	23.234	ng/u1#	75
35) 4-Chloro-3-methylphenol	12.395	107	74458	22.363	ng/u1	98
36) 2-Methylnaphthalene	12.783	142	160446	21.247	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.000	142	162758	21.337	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	13.124	216	82772	20.938	ng/ul#	95
40) Hexachlorocyclopentadiene	13.077	237	45462	18.039	ng/ul	99
41) 2,4,6-Trichlorophenol	13.370	196	55539	21.515	ng/ul	99
42) 2,4,5-Trichlorophenol	13.441	196	58357	20.899	ng/ul	91
43) 1,1'-Biphenyl	13.770	154	225299	20.933	ng/ul	95
44) 2-Chloronaphthalene	13.823	162	170842	20.788	ng/ul	95
45) 2-Nitroaniline	14.040	65	55092	21.148	ng/ul	96
47) Dimethylphthalate	14.375	163	220091	20.779	ng/ul#	97
48) 2,6-Dinitrotoluene	14.522	165	42805	21.869	ng/ul#	85
50) Acenaphthylene	14.669	152	285009	21.132	ng/ul	98
51) 3-Nitroaniline	14.863	138	40239	18.632	ng/ul	93
52) Acenaphthene	14.998	153	193326	21.137	ng/ul	96
53) 2,4-Dinitrophenol	15.057	184	16071	13.627	ng/ul	93
55) 4-Nitrophenol	15.133	109	18544	14.830	ng/ul#	82
56) Dibenzofuran	15.333	168	253056	20.859	ng/ul	99
57) 2,4-Dinitrotoluene	15.298	165	60055	21.282	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.538	232	57292	22.166	ng/ul#	82
59) Diethylphthalate	15.721	149	219667	21.046	ng/ul	96
61) Fluorene	15.979	166	214381	20.696	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.956	204	113417	22.060	ng/ul	96
63) 4-Nitroaniline	16.020	138	28028m	14.000	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.044	198	37302m	19.361	ng/ul	
67) N-Nitrosodiphenylamine	16.179	169	172938	20.660	ng/ul	94
68) 4-Bromophenyl-phenylether	16.860	248	65620	21.452	ng/ul	94
69) Hexachlorobenzene	16.949	284	75938	21.673	ng/ul	93
70) Atrazine	17.113	200	75842	22.771	ng/ul	95
71) Pentachlorophenol	17.307	266	43066m	18.922	ng/ul	
72) Phenanthrene	17.730	178	376820m	21.417	ng/ul	
74) Anthracene	17.818	178	380297	21.153	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.729	216	88452	21.102	ng/ul	94
76) Pentachlorobenzene	15.227	250	82180	21.196	ng/ul	95
77) Carbazole	18.094	167	294395	19.696	ng/ul	99
78) Di-n-butylphthalate	18.600	149	408736	22.198	ng/ul	100
80) Fluoranthene	19.722	202	441093	21.681	ng/ul	99
82) Pyrene	20.086	202	455276	21.454	ng/ul	100
83) Butylbenzylphthalate	20.944	149	181627	23.694	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.896	252	102812	15.232	ng/ul	99
85) Benzo(a)anthracene	21.984	228	417477m	20.587	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.813	149	277740	24.217	ng/ul	97
87) Chrysene	22.060	228	408421m	21.596	ng/ul	
89) Di-n-octyl phthalate	23.141	149	458654	23.713	ng/ul	100
90) Benzo(b)fluoranthene	24.410	252	420039	21.789	ng/ul	99
91) Benzo(k)fluoranthene	24.487	252	419747	21.001	ng/ul	98
93) Benzo(a)pyrene	25.397	252	377754	20.389	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.681	276	394686m	18.731	ng/ul	
95) Dibenzo(a,h)anthracene	29.763	278	262739	15.516	ng/ul	100
96) Benzo(g,h,i)perylene	31.003	276	354855m	20.906	ng/ul	

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

