

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059301.D
 Acq On : 5 Oct 2023 18:05
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020586

Quant Time: Oct 06 00:43:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	44664	20.000	ng/u1	0.00
20) Naphthalene-d8	11.073	136	225123	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.868	164	154448	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.612	188	339530m	20.000	ng/u1	0.00
79) Chrysene-d12	21.913	240	279358	20.000	ng/u1	0.00
88) Perylene-d12	25.397	264	330900	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.529	96	7213	6.095	ng/uL	0.00
4) Pyridine-d5	3.964	84	61015	17.670	ng/u1	0.00
7) Phenol-d5	7.360	99	80855	18.085	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.553	67	46576	16.308	ng/u1	0.00
11) 2-Chlorophenol-d4	7.753	132	61745	20.545	ng/u1	0.00
15) 4-Methylphenol-d8	8.928	113	67903	19.648	ng/u1	0.00
21) Nitrobenzene-d5	9.428	128	34864	21.946	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	36363	23.317	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.679	165	70361	21.963	ng/u1	0.00
31) 4-Chloroaniline-d4	11.220	131	106722	20.590	ng/u1	0.00
46) Dimethylphthalate-d6	14.263	166	223858	20.047	ng/u1	0.00
49) Acenaphthylene-d8	14.569	160	280397	20.005	ng/u1	0.00
54) 4-Nitrophenol-d4	15.062	143	39122	20.063	ng/u1	0.00
60) Fluorene-d10	15.850	176	215630	20.289	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	38597	22.115	ng/u1	0.00
73) Anthracene-d10	17.712	188	316817	20.479	ng/u1	0.00
81) Pyrene-d10	19.986	212	336083	21.483	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.151	264	319427	20.088	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.570	88	8931	6.424	ng/uL#	71
5) Pyridine	3.987	79	60633	17.292	ng/u1	85
6) Benzaldehyde	7.377	77	38640	19.681	ng/u1	93
8) Phenol	7.389	94	79108	17.787	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.648	93	64254	17.616	ng/u1	91
12) 2-Chlorophenol	7.783	128	61760	19.491	ng/u1	90
13) 2-Methylphenol	8.658	108	63450	18.883	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.734	45	136236m	16.895	ng/u1	
16) Acetophenone	9.075	105	99316	18.556	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.040	70	49164	18.109	ng/u1	97
18) 4-Methylphenol	8.993	108	70630	19.839	ng/u1	99
19) Hexachloroethane	9.316	117	26459	21.196	ng/u1	95
22) Nitrobenzene	9.475	77	74261	18.937	ng/u1	91
23) Isophorone	9.980	82	153761	18.234	ng/u1#	96
25) 2-Nitrophenol	10.180	139	41145	23.945	ng/u1	92
26) 2,4-Dimethylphenol	10.209	107	74290	20.220	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.462	93	96340	18.106	ng/u1	97
29) 2,4-Dichlorophenol	10.703	162	67631	21.237	ng/u1	97
30) Naphthalene	11.126	128	239584	19.849	ng/u1	97
32) 4-Chloroaniline	11.243	127	98661	19.905	ng/u1	98
33) Hexachlorobutadiene	11.355	225	45167	21.192	ng/u1	98
34) Caprolactam	12.025	113	25922m	23.525	ng/u1	
35) 4-Chloro-3-methylphenol	12.324	107	76138	22.408	ng/u1	89
36) 2-Methylnaphthalene	12.706	142	166097	21.005	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.930	142	171328	21.348	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.053	216	90791	19.635	ng/ul	95
40) Hexachlorocyclopentadiene	13.006	237	44849	15.724	ng/ul	98
41) 2,4,6-Trichlorophenol	13.300	196	60222	21.273	ng/ul	91
42) 2,4,5-Trichlorophenol	13.370	196	66992	22.552	ng/ul	93
43) 1,1'-Biphenyl	13.699	154	244916	19.635	ng/ul	98
44) 2-Chloronaphthalene	13.758	162	187024	19.915	ng/ul	99
45) 2-Nitroaniline	13.975	65	58209	21.974	ng/ul	93
47) Dimethylphthalate	14.310	163	223557	19.546	ng/ul	100
48) 2,6-Dinitrotoluene	14.457	165	44978	23.121	ng/ul#	81
50) Acenaphthylene	14.598	152	290612	19.425	ng/ul	98
51) 3-Nitroaniline	14.792	138	47946	22.832	ng/ul#	91
52) Acenaphthene	14.933	153	202206	19.691	ng/ul	92
53) 2,4-Dinitrophenol	14.992	184	23544	21.773	ng/ul#	74
55) 4-Nitrophenol	15.074	109	29038	21.111	ng/ul	98
56) Dibenzofuran	15.262	168	270490	19.871	ng/ul	99
57) 2,4-Dinitrotoluene	15.233	165	66453	23.071	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.474	232	60464	22.484	ng/ul#	90
59) Diethylphthalate	15.650	149	229783	20.782	ng/ul	97
61) Fluorene	15.908	166	227840	19.935	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.891	204	115037	20.191	ng/ul#	94
63) 4-Nitroaniline	15.955	138	45378	23.481	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.979	198	42420m	23.052	ng/ul	
67) N-Nitrosodiphenylamine	16.114	169	187588	20.727	ng/ul	99
68) 4-Bromophenyl-phenylether	16.790	248	67370	20.482	ng/ul	90
69) Hexachlorobenzene	16.884	284	77046	20.734	ng/ul	92
70) Atrazine	17.042	200	74572	21.669	ng/ul	93
71) Pentachlorophenol	17.236	266	46470	21.728	ng/ul	95
72) Phenanthrene	17.659	178	374556m	20.102	ng/ul	
74) Anthracene	17.747	178	389833	20.262	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.664	216	95640	21.375	ng/uL	96
76) Pentachlorobenzene	15.156	250	93930	21.261	ng/uL	98
77) Carbazole	18.029	167	325385	20.750	ng/ul	100
78) Di-n-butylphthalate	18.529	149	389638	20.961	ng/ul	99
80) Fluoranthene	19.651	202	422329	21.914	ng/ul	97
82) Pyrene	20.015	202	426933	20.914	ng/ul	100
83) Butylbenzylphthalate	20.867	149	162274	22.542	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.807	252	144643	22.357	ng/ul	97
85) Benzo(a)anthracene	21.896	228	397432	20.210	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.719	149	239316	21.893	ng/ul	99
87) Chrysene	21.966	228	372596	20.061	ng/ul	99
89) Di-n-octyl phthalate	23.018	149	407853	21.193	ng/ul	100
90) Benzo(b)fluoranthene	24.269	252	409663	20.213	ng/ul	98
91) Benzo(k)fluoranthene	24.346	252	403981	19.672	ng/ul	100
93) Benzo(a)pyrene	25.233	252	385042	20.027	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.410	276	444024m	20.402	ng/ul	
95) Dibenzo(a,h)anthracene	29.492	278	362416	20.477	ng/ul	99
96) Benzo(g,h,i)perylene	30.697	276	353123	19.955	ng/ul	97

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

