

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081424\
 Data File : BG062394.D
 Acq On : 14 Aug 2024 14:12
 Operator : MA/JU
 Sample : SSTD08050
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD080435

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 15:25:21 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Aug 14 15:13:32 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	43754	20.000	ng/u1	0.00
20) Naphthalene-d8	10.756	136	220823	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.580	164	171404	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.324	188	391668	20.000	ng/u1	0.00
79) Chrysene-d12	21.571	240	378759	20.000	ng/u1	0.00
88) Perylene-d12	24.661	264	431142	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.419	96	33890	31.930	ng/uL	0.00
4) Pyridine-d5	3.824	84	279414	85.683	ng/u1	0.00
7) Phenol-d5	7.120	99	360561	85.762	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.290	67	219903	84.416	ng/u1	0.00
11) 2-Chlorophenol-d4	7.496	132	257474	86.155	ng/u1	0.00
15) 4-Methylphenol-d8	8.665	113	306588	87.153	ng/u1	0.00
21) Nitrobenzene-d5	9.117	128	131746	95.492	ng/u1	0.00
24) 2-Nitrophenol-d4	9.834	143	144169	110.009	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.374	165	306893	82.851	ng/u1	0.00
31) 4-Chloroaniline-d4	10.885	131	452227	83.062	ng/u1	0.00
46) Dimethylphthalate-d6	13.993	166	1041655	78.489	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	1157948	77.471	ng/u1	0.00
54) 4-Nitrophenol-d4	14.780	143	181980	94.871	ng/u1	0.02
60) Fluorene-d10	15.573	176	939254	78.831	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.691	200	164691	128.769	ng/u1	0.00
73) Anthracene-d10	17.424	188	1457980	77.554	ng/u1	0.00
81) Pyrene-d10	19.709	212	1759665	77.951	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.461	264	1849595	80.553	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.454	88	36170	31.728	ng/uL	95
5) Pyridine	3.842	79	296362	87.120	ng/u1	93
6) Benzaldehyde	7.096	77	148488	65.399	ng/u1	98
8) Phenol	7.149	94	379981	85.592	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.384	93	274169	83.584	ng/u1	99
12) 2-Chlorophenol	7.525	128	267446	84.695	ng/u1	98
13) 2-Methylphenol	8.395	108	288513	86.378	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.477	45	565884	84.130	ng/u1	97
16) Acetophenone	8.782	105	488790	86.841	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.777	70	269854	90.159	ng/u1	98
18) 4-Methylphenol	8.735	108	328736	87.260	ng/u1	100
19) Hexachloroethane	9.041	117	101614	84.945	ng/u1	98
22) Nitrobenzene	9.158	77	359500	92.406	ng/u1	98
23) Isophorone	9.693	82	756751	80.725	ng/u1	100
25) 2-Nitrophenol	9.869	139	162546	105.094	ng/u1	97
26) 2,4-Dimethylphenol	9.928	107	357608	80.676	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.169	93	417477	79.236	ng/u1	99
29) 2,4-Dichlorophenol	10.404	162	311112	82.501	ng/u1	99
30) Naphthalene	10.809	128	991800	78.883	ng/u1	100
32) 4-Chloroaniline	10.909	127	441872	83.063	ng/u1	98
33) Hexachlorobutadiene	11.097	225	217989	76.732	ng/u1	99
34) Caprolactam	11.690	113	117688m	86.752	ng/u1	
35) 4-Chloro-3-methylphenol	12.037	107	371302	86.979	ng/u1	99
36) 2-Methylnaphthalene	12.413	142	712022	81.519	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.630	142	727840	80.799	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.777	216	450700	80.595	ng/ul	99
40) Hexachlorocyclopentadiene	12.765	237	249567	108.183	ng/ul	98
41) 2,4,6-Trichlorophenol	13.018	196	290541	89.404	ng/ul	96
42) 2,4,5-Trichlorophenol	13.088	196	317725	91.611	ng/ul	96
43) 1,1'-Biphenyl	13.417	154	1010192	78.486	ng/ul	98
44) 2-Chloronaphthalene	13.458	162	796345	79.754	ng/ul	100
45) 2-Nitroaniline	13.658	65	259783	101.014	ng/ul	99
47) Dimethylphthalate	14.040	163	1051218	78.843	ng/ul	100
48) 2,6-Dinitrotoluene	14.158	165	194024	106.390	ng/ul	90
50) Acenaphthylene	14.304	152	1235113	77.588	ng/ul	97
51) 3-Nitroaniline	14.486	138	176111	83.202	ng/ul	99
52) Acenaphthene	14.645	153	915341	76.965	ng/ul	98
53) 2,4-Dinitrophenol	14.686	184	112213	136.761	ng/ul	92
55) 4-Nitrophenol	14.798	109	155552	92.602	ng/ul	98
56) Dibenzofuran	14.980	168	1283462	78.101	ng/ul	97
57) 2,4-Dinitrotoluene	14.945	165	288577	111.863	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.209	232	292176	92.116	ng/ul	99
59) Diethylphthalate	15.409	149	1052912	78.095	ng/ul	99
61) Fluorene	15.632	166	976754	75.563	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.626	204	502823	75.519	ng/ul	100
63) 4-Nitroaniline	15.650	138	179858	86.365	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.708	198	186917	127.765	ng/ul#	97
67) N-Nitrosodiphenylamine	15.838	169	905944	77.843	ng/ul	98
68) 4-Bromophenyl-phenylether	16.519	248	359030	81.188	ng/ul	96
69) Hexachlorobenzene	16.631	284	405024	78.361	ng/ul	97
70) Atrazine	16.789	200	369609	81.465	ng/ul	98
71) Pentachlorophenol	16.971	266	261148	93.958	ng/ul	99
72) Phenanthrene	17.371	178	1661545	75.540	ng/ul	99
74) Anthracene	17.459	178	1711750	75.785	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.382	216	465847	81.273	ng/ul	98
76) Pentachlorobenzene	14.904	250	471098	77.968	ng/ul	97
77) Carbazole	17.723	167	1453881	78.148	ng/ul	99
78) Di-n-butylphthalate	18.293	149	1743265	78.724	ng/ul	99
80) Fluoranthene	19.374	202	1962829	76.665	ng/ul	97
82) Pyrene	19.738	202	2063537	75.680	ng/ul	98
83) Butylbenzylphthalate	20.631	149	785452	84.119	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.465	252	600542	69.873	ng/ul	96
85) Benzo(a)anthracene	21.547	228	2111495	76.012	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.477	149	1093794	76.451	ng/ul#	99
87) Chrysene	21.618	228	1994989	76.043	ng/ul	95
89) Di-n-octyl phthalate	22.652	149	1914375	78.927	ng/ul	100
90) Benzo(b)fluoranthene	23.686	252	2089429	80.108	ng/ul	98
91) Benzo(k)fluoranthene	23.756	252	2052103	77.075	ng/ul	98
93) Benzo(a)pyrene	24.532	252	1959795	79.155	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.174	276	2587720	81.136	ng/ul	99
95) Dibenzo(a,h)anthracene	28.238	278	2086147	79.902	ng/ul	99
96) Benzo(g,h,i)perylene	29.272	276	1997792	82.258	ng/ul	98

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

