

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063168.D
 Acq On : 6 Nov 2024 14:10
 Operator : RC/JU
 Sample : SSTD04073
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD040413

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/07/2024

Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 06 15:07:38 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 06 14:59:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.838	152	60123	20.000	ng/u1	0.00
20) Naphthalene-d8	10.629	136	271750	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.477	164	268551	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	732561	20.000	ng/u1	0.00
79) Chrysene-d12	21.481	240	828124	20.000	ng/u1	0.00
88) Perylene-d12	24.513	264	886954	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.302	96	22767	16.348	ng/uL	0.00
4) Pyridine-d5	3.708	84	173379	40.797	ng/u1	0.00
7) Phenol-d5	7.010	99	213503	42.284	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.174	67	127376	41.947	ng/u1	0.00
11) 2-Chlorophenol-d4	7.374	132	147982	41.775	ng/u1	0.00
15) 4-Methylphenol-d8	8.549	113	184482	45.275	ng/u1	0.00
21) Nitrobenzene-d5	8.990	128	79980	41.763	ng/u1	0.00
24) 2-Nitrophenol-d4	9.712	143	103782	43.579	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.253	165	208587	43.613	ng/u1	0.00
31) 4-Chloroaniline-d4	10.764	131	267671	45.680	ng/u1	0.00
46) Dimethylphthalate-d6	13.884	166	825390	44.104	ng/u1	0.00
49) Acenaphthylene-d8	14.172	160	846457	41.037	ng/u1	0.00
54) 4-Nitrophenol-d4	14.689	143	119820	44.987	ng/u1	0.00
60) Fluorene-d10	15.470	176	721054	41.932	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.600	200	187763	42.818	ng/u1	0.00
73) Anthracene-d10	17.327	188	1280730	40.482	ng/u1	0.00
81) Pyrene-d10	19.624	212	1720419	42.635	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.307	264	1738281	41.012	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.337	88	23269m	13.917	ng/uL	
5) Pyridine	3.731	79	180763	41.221	ng/u1	94
6) Benzaldehyde	6.980	77	126673	45.662	ng/u1	93
8) Phenol	7.039	94	235653	43.339	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.262	93	159690	42.434	ng/u1	93
12) 2-Chlorophenol	7.409	128	156413	43.186	ng/u1	97
13) 2-Methylphenol	8.285	108	171984	43.535	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.355	45	203381	43.473	ng/u1#	95
16) Acetophenone	8.661	105	303639	46.445	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.643	70	178908	50.128	ng/u1	97
18) 4-Methylphenol	8.608	108	195990	45.246	ng/u1	91
19) Hexachloroethane	8.913	117	60322	38.553	ng/u1	95
22) Nitrobenzene	9.037	77	246188	41.029	ng/u1	98
23) Isophorone	9.560	82	519180	47.959	ng/u1	98
25) 2-Nitrophenol	9.748	139	104118	42.796	ng/u1#	91
26) 2,4-Dimethylphenol	9.806	107	227621	42.500	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.041	93	249531	44.652	ng/u1	93
29) 2,4-Dichlorophenol	10.282	162	199699	43.632	ng/u1	96
30) Naphthalene	10.682	128	569859	41.130	ng/u1	98
32) 4-Chloroaniline	10.788	127	255236	46.091	ng/u1	99
33) Hexachlorobutadiene	10.970	225	181382	39.432	ng/u1	98
34) Caprolactam	11.545	113	78126m	49.114	ng/u1	
35) 4-Chloro-3-methylphenol	11.922	107	230715	46.370	ng/u1	94
36) 2-Methylnaphthalene	12.292	142	455204	42.874	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.515	142	468062	43.490	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.662	216	385663	38.478	ng/ul	99
40) Hexachlorocyclopentadiene	12.644	237	204998	36.910	ng/ul	95
41) 2,4,6-Trichlorophenol	12.903	196	217497	43.399	ng/ul	95
42) 2,4,5-Trichlorophenol	12.979	196	236882	43.857	ng/ul	90
43) 1,1'-Biphenyl	13.308	154	693294	39.692	ng/ul	98
44) 2-Chloronaphthalene	13.349	162	533201	39.906	ng/ul	97
45) 2-Nitroaniline	13.555	65	189724	44.640	ng/ul#	86
47) Dimethylphthalate	13.931	163	787730	43.864	ng/ul	98
48) 2,6-Dinitrotoluene	14.054	165	163536	45.080	ng/ul	93
50) Acenaphthylene	14.201	152	830909	41.187	ng/ul	99
51) 3-Nitroaniline	14.383	138	142615	44.439	ng/ul	95
52) Acenaphthene	14.542	153	600905	40.652	ng/ul	97
53) 2,4-Dinitrophenol	14.595	184	98987	51.659	ng/ul	89
55) 4-Nitrophenol	14.701	109	159783	45.401	ng/ul	91
56) Dibenzofuran	14.877	168	907376	41.164	ng/ul	97
57) 2,4-Dinitrotoluene	14.847	165	249684	44.870	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.106	232	243156	46.149	ng/ul#	95
59) Diethylphthalate	15.300	149	806974	44.393	ng/ul	99
61) Fluorene	15.529	166	761675	41.041	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.523	204	492432	41.319	ng/ul	99
63) 4-Nitroaniline	15.553	138	138164	42.287	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.611	198	199572	42.858	ng/ul	96
67) N-Nitrosodiphenylamine	15.735	169	675076	41.336	ng/ul	98
68) 4-Bromophenyl-phenylether	16.416	248	355898	41.565	ng/ul	99
69) Hexachlorobenzene	16.540	284	354819	39.457	ng/ul	99
70) Atrazine	16.692	200	359453	41.129	ng/ul	96
71) Pentachlorophenol	16.880	266	162866	44.970	ng/ul	98
72) Phenanthrene	17.268	178	1361223	40.234	ng/ul	99
74) Anthracene	17.362	178	1396850	40.900	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.273	216	401004	38.904	ng/ul	94
76) Pentachlorobenzene	14.800	250	415635	38.078	ng/ul	96
77) Carbazole	17.632	167	1174168	41.511	ng/ul	99
78) Di-n-butylphthalate	18.196	149	1303654	40.989	ng/ul	99
80) Fluoranthene	19.289	202	1866988	42.732	ng/ul	99
82) Pyrene	19.654	202	1974250	42.067	ng/ul	99
83) Butylbenzylphthalate	20.553	149	596758	43.586	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.387	252	748758	42.794	ng/ul	100
85) Benzo(a)anthracene	21.463	228	2144153	40.604	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.381	149	856555	43.799	ng/ul	98
87) Chrysene	21.528	228	1990537	40.387	ng/ul	98
89) Di-n-octyl phthalate	22.527	149	1452878	42.199	ng/ul	100
90) Benzo(b)fluoranthene	23.561	252	2215714	42.152	ng/ul	99
91) Benzo(k)fluoranthene	23.620	252	2114547	39.725	ng/ul	99
93) Benzo(a)pyrene	24.377	252	2008343	41.051	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.938	276	2465818	41.060	ng/ul	95
95) Dibenzo(a,h)anthracene	27.991	278	2035626	41.834	ng/ul	97
96) Benzo(g,h,i)perylene	28.996	276	1874994m	41.208	ng/ul	

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

