

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012624\
 Data File : BG060431.D
 Acq On : 25 Jan 2024 20:17
 Operator : MA/JU
 Sample : SSTD04076
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD040402

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/26/2024
 Supervised By :mohammad ahmed 01/30/2024

Quant Time: Jan 26 05:51:04 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG012624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jan 26 05:39:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	157800	20.000	ng/ul	0.00
20) Naphthalene-d8	10.729	136	709964	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.560	164	512786	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.309	188	1218209	20.000	ng/ul	0.00
79) Chrysene-d12	21.575	240	1154040	20.000	ng/ul	0.00
88) Perylene-d12	24.730	264	1267962	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.361	96	54052	17.164	ng/uL	0.00
4) Pyridine-d5	3.772	84	420037	42.166	ng/ul	0.00
7) Phenol-d5	7.086	99	623818	41.625	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.250	67	394153	41.853	ng/ul	0.00
11) 2-Chlorophenol-d4	7.456	132	431900	43.156	ng/ul	0.00
15) 4-Methylphenol-d8	8.631	113	524654	42.500	ng/ul	0.00
21) Nitrobenzene-d5	9.084	128	233791	44.629	ng/ul	0.00
24) 2-Nitrophenol-d4	9.806	143	277041	45.277	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.347	165	561687	44.140	ng/ul	0.00
31) 4-Chloroaniline-d4	10.864	131	700723	41.976	ng/ul	0.00
46) Dimethylphthalate-d6	13.966	166	1730697	41.246	ng/ul	0.00
49) Acenaphthylene-d8	14.254	160	2017697	42.868	ng/ul	0.00
54) 4-Nitrophenol-d4	14.765	143	260561	43.355	ng/ul	0.00
60) Fluorene-d10	15.552	176	1533948	41.722	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.676	200	313637	41.578	ng/ul	0.00
73) Anthracene-d10	17.409	188	2453905	42.493	ng/ul	0.00
81) Pyrene-d10	19.701	212	2869621	41.488	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.513	264	2888482	43.426	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.396	88	56303	16.608	ng/uL	98
5) Pyridine	3.790	79	423630	41.829	ng/ul	97
6) Benzaldehyde	7.062	77	252014	44.239	ng/ul	97
8) Phenol	7.115	94	662613	42.298	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.344	93	527100	42.244	ng/ul	99
12) 2-Chlorophenol	7.491	128	444962	43.102	ng/ul	99
13) 2-Methylphenol	8.367	108	498719	41.196	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.449	45	691285	41.980	ng/ul	99
16) Acetophenone	8.749	105	839701	42.683	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.731	70	461111	43.466	ng/ul	98
18) 4-Methylphenol	8.696	108	560603	43.068	ng/ul	96
19) Hexachloroethane	9.001	117	193444	42.382	ng/ul	95
22) Nitrobenzene	9.131	77	628321	43.858	ng/ul	97
23) Isophorone	9.648	82	1300796	41.880	ng/ul	99
25) 2-Nitrophenol	9.842	139	290555	46.712	ng/ul	96
26) 2,4-Dimethylphenol	9.900	107	554828	43.227	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.129	93	778084	44.006	ng/ul	99
29) 2,4-Dichlorophenol	10.376	162	542282	44.333	ng/ul	97
30) Naphthalene	10.776	128	1639864	42.807	ng/ul	98
32) 4-Chloroaniline	10.887	127	695628	42.473	ng/ul	96
33) Hexachlorobutadiene	11.058	225	436048	42.931	ng/ul	96
34) Caprolactam	11.651	113	170001m	41.887	ng/ul	
35) 4-Chloro-3-methylphenol	12.010	107	544861	44.429	ng/ul	98
36) 2-Methylnaphthalene	12.386	142	1150335	42.715	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.603	142	1144249	42.040	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.756	216	815626	43.703	ng/ul	98
40) Hexachlorocyclopentadiene	12.732	237	481316	42.650	ng/ul	98
41) 2,4,6-Trichlorophenol	12.991	196	510046	44.833	ng/ul	98
42) 2,4,5-Trichlorophenol	13.067	196	539255	44.858	ng/ul	99
43) 1,1'-Biphenyl	13.396	154	1657303	43.629	ng/ul	99
44) 2-Chloronaphthalene	13.437	162	1393561	43.452	ng/ul	99
45) 2-Nitroaniline	13.643	65	355537	44.044	ng/ul	97
47) Dimethylphthalate	14.013	163	1750908	41.804	ng/ul	99
48) 2,6-Dinitrotoluene	14.136	165	350006	44.311	ng/ul	98
50) Acenaphthylene	14.283	152	2214062	42.638	ng/ul	98
51) 3-Nitroaniline	14.471	138	278897	42.003	ng/ul#	99
52) Acenaphthene	14.624	153	1468727	42.403	ng/ul	99
53) 2,4-Dinitrophenol	14.677	184	183274	42.510	ng/ul	94
55) 4-Nitrophenol	14.783	109	171925	42.017	ng/ul	93
56) Dibenzofuran	14.959	168	2051768	41.958	ng/ul	95
57) 2,4-Dinitrotoluene	14.924	165	505485	43.671	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.188	232	491072	43.955	ng/ul#	95
59) Diethylphthalate	15.376	149	1628570	40.439	ng/ul	99
61) Fluorene	15.611	166	1663641	41.469	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.599	204	920862	41.585	ng/ul	99
63) 4-Nitroaniline	15.635	138	272665	41.917	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.688	198	336260	42.617	ng/ul#	93
67) N-Nitrosodiphenylamine	15.817	169	1443090	43.674	ng/ul	98
68) 4-Bromophenyl-phenylether	16.498	248	615615	43.499	ng/ul	99
69) Hexachlorobenzene	16.616	284	707800	43.115	ng/ul	98
70) Atrazine	16.763	200	576607	42.449	ng/ul	99
71) Pentachlorophenol	16.957	266	377010	41.697	ng/ul	91
72) Phenanthrene	17.350	178	2732493	42.662	ng/ul	98
74) Anthracene	17.444	178	2800515	42.908	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.361	216	799598	44.853	ng/ul	97
76) Pentachlorobenzene	14.883	250	823846	44.390	ng/ul	97
77) Carbazole	17.715	167	2368973	43.947	ng/ul	97
78) Di-n-butylphthalate	18.267	149	2691060	42.347	ng/ul	98
80) Fluoranthene	19.366	202	3190313	41.333	ng/ul	96
82) Pyrene	19.730	202	3284878	40.892	ng/ul	98
83) Butylbenzylphthalate	20.617	149	1243360	43.425	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.475	252	1192872	44.466	ng/ul	98
85) Benzo(a)anthracene	21.551	228	3370038	42.349	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.457	149	1830179	42.823	ng/ul	99
87) Chrysene	21.622	228	3141737	42.029	ng/ul	97
89) Di-n-octyl phthalate	22.644	149	3113491	46.013	ng/ul	100
90) Benzo(b)fluoranthene	23.731	252	3391469	43.104	ng/ul	99
91) Benzo(k)fluoranthene	23.796	252	3475672	43.269	ng/ul	98
93) Benzo(a)pyrene	24.589	252	3309398	43.721	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.337	276	4026249	43.392	ng/ul	100
95) Dibenzo(a,h)anthracene	28.396	278	3208060	42.377	ng/ul	100
96) Benzo(g,h,i)perylene	29.460	276	3236711	43.083	ng/ul	97

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

