

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112524\
 Data File : BG063555.D
 Acq On : 25 Nov 2024 18:27
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020552

Quant Time: Nov 26 00:49:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	88867	20.000	ng/u1	0.00
20) Naphthalene-d8	10.615	136	393665	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.469	164	314819	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.219	188	794610	20.000	ng/u1	0.00
79) Chrysene-d12	21.478	240	872978	20.000	ng/u1	0.00
88) Perylene-d12	24.516	264	928180	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.294	96	19976	8.872	ng/uL	0.00
4) Pyridine-d5	3.699	84	137311	19.456	ng/u1	0.00
7) Phenol-d5	7.001	99	160967	22.024	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	99701	21.269	ng/u1	0.00
11) 2-Chlorophenol-d4	7.365	132	112859	21.789	ng/u1	0.00
15) 4-Methylphenol-d8	8.541	113	138294	22.643	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	62789	22.210	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	76065	21.780	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	146642	21.999	ng/u1	0.00
31) 4-Chloroaniline-d4	10.756	131	176321	20.913	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	458667	21.462	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	518366	21.269	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	64912	20.441	ng/u1	0.00
60) Fluorene-d10	15.462	176	425852	21.929	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.591	200	89085	19.941	ng/u1	0.00
73) Anthracene-d10	17.318	188	739055	21.408	ng/u1	0.00
81) Pyrene-d10	19.616	212	939938	21.480	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	946253	21.018	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.329	88	20510	7.715	ng/uL#	92
5) Pyridine	3.717	79	139955	19.489	ng/u1	98
6) Benzaldehyde	6.966	77	113654	27.168	ng/u1	90
8) Phenol	7.031	94	173812	21.809	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.248	93	125010	21.731	ng/u1	95
12) 2-Chlorophenol	7.395	128	122883	22.226	ng/u1	95
13) 2-Methylphenol	8.276	108	130594	22.024	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.341	45	190031	22.550	ng/u1#	95
16) Acetophenone	8.646	105	209443	21.709	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.623	70	120031	22.262	ng/u1	93
18) 4-Methylphenol	8.599	108	142630	21.930	ng/u1	98
19) Hexachloroethane	8.899	117	51728	21.664	ng/u1	90
22) Nitrobenzene	9.022	77	184013	21.218	ng/u1	94
23) Isophorone	9.539	82	330964	20.899	ng/u1	99
25) 2-Nitrophenol	9.733	139	72875	21.032	ng/u1	96
26) 2,4-Dimethylphenol	9.798	107	160735	21.520	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.027	93	180053	20.538	ng/u1	99
29) 2,4-Dichlorophenol	10.274	162	137574	21.124	ng/u1	98
30) Naphthalene	10.667	128	429131	21.325	ng/u1	96
32) 4-Chloroaniline	10.779	127	166826	20.707	ng/u1	100
33) Hexachlorobutadiene	10.955	225	124284	21.395	ng/u1	95
34) Caprolactam	11.519	113	46155m	21.027	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	149972	22.626	ng/u1	95
36) 2-Methylnaphthalene	12.283	142	313019	21.914	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.501	142	324454	21.633	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.653	216	232266	20.995	ng/ul	99
40) Hexachlorocyclopentadiene	12.630	237	82530	17.490	ng/ul	95
41) 2,4,6-Trichlorophenol	12.900	196	123810	20.396	ng/ul	98
42) 2,4,5-Trichlorophenol	12.976	196	135674m	21.657	ng/ul	
43) 1,1'-Biphenyl	13.294	154	449226	21.501	ng/ul	97
44) 2-Chloronaphthalene	13.341	162	349725	21.302	ng/ul	95
45) 2-Nitroaniline	13.546	65	120552	23.297	ng/ul	92
47) Dimethylphthalate	13.922	163	449971	21.609	ng/ul	98
48) 2,6-Dinitrotoluene	14.046	165	94995	22.487	ng/ul#	85
50) Acenaphthylene	14.187	152	520763	21.256	ng/ul	96
51) 3-Nitroaniline	14.375	138	88072m	22.763	ng/ul	
52) Acenaphthene	14.533	153	372113	21.028	ng/ul	97
53) 2,4-Dinitrophenol	14.592	184	35464	16.351	ng/ul	94
55) 4-Nitrophenol	14.704	109	71711	19.432	ng/ul	96
56) Dibenzofuran	14.868	168	563485	22.195	ng/ul	97
57) 2,4-Dinitrotoluene	14.839	165	144445	22.345	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.103	232	123608	20.763	ng/ul	94
59) Diethylphthalate	15.291	149	456331	21.696	ng/ul	97
61) Fluorene	15.521	166	475332	21.995	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.515	204	282503	21.906	ng/ul	96
63) 4-Nitroaniline	15.544	138	92437	23.337	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.609	198	99457	20.835	ng/ul#	99
67) N-Nitrosodiphenylamine	15.726	169	398559	21.126	ng/ul	95
68) 4-Bromophenyl-phenylether	16.408	248	193487	21.732	ng/ul	95
69) Hexachlorobenzene	16.531	284	191049	20.467	ng/ul#	90
70) Atrazine	16.678	200	196313	21.538	ng/ul	98
71) Pentachlorophenol	16.884	266	68737	15.746	ng/ul	93
72) Phenanthrene	17.260	178	813735	21.483	ng/ul	99
74) Anthracene	17.354	178	819757	21.193	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.264	216	233243	20.173	ng/ul	94
76) Pentachlorobenzene	14.792	250	234408	20.531	ng/ul	96
77) Carbazole	17.630	167	715639	22.299	ng/ul	97
78) Di-n-butylphthalate	18.188	149	814203	22.131	ng/ul	99
80) Fluoranthene	19.287	202	1055252	21.809	ng/ul	100
82) Pyrene	19.651	202	1121565	21.632	ng/ul	99
83) Butylbenzylphthalate	20.544	149	360322	21.415	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.378	252	425188	22.673	ng/ul	96
85) Benzo(a)anthracene	21.461	228	1202978	21.311	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.373	149	523543	21.408	ng/ul	99
87) Chrysene	21.525	228	1120034	21.220	ng/ul	99
89) Di-n-octyl phthalate	22.518	149	918227	22.296	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	1199506	21.524	ng/ul#	98
91) Benzo(k)fluoranthene	23.617	252	1173759	20.990	ng/ul	96
93) Benzo(a)pyrene	24.375	252	1093687	20.969	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.935	276	1342170m	20.747	ng/ul	
95) Dibenzo(a,h)anthracene	27.988	278	1098484	20.770	ng/ul	99
96) Benzo(g,h,i)perylene	29.017	276	1028958m	20.977	ng/ul	

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

