

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061552.D
 Acq On : 8 Jun 2024 4:35
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020524

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 08 05:17:47 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 06 12:15:45 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	36949	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	137923	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	105982	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	250816	20.000	ng/u1	0.00
79) Chrysene-d12	21.525	240	266785	20.000	ng/u1	0.00
88) Perylene-d12	24.621	264	308860	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	6597	9.992	ng/uL	-0.02
4) Pyridine-d5	3.740	84	46665	19.867	ng/u1	-0.03
7) Phenol-d5	7.065	99	56646	18.669	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	32175	16.871	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	42408	18.885	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	45920	17.748	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	22415	21.108	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	25935	20.868	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	52744	21.769	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	58773	18.542	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	159335	19.384	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	175074	20.487	ng/u1	0.00
54) 4-Nitrophenol-d4	14.756	143	15568	15.319	ng/u1	0.00
60) Fluorene-d10	15.508	176	142582	20.092	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	27432	18.083	ng/u1	0.00
73) Anthracene-d10	17.365	188	231565	20.942	ng/u1	0.00
81) Pyrene-d10	19.657	212	272698	19.908	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.410	264	304608	20.514	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.370	88	6132	7.738	ng/uL	94
5) Pyridine	3.758	79	45000	19.370	ng/u1	87
6) Benzaldehyde	7.013	77	24922	15.708	ng/u1	88
8) Phenol	7.089	94	58814	19.024	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.295	93	40105	17.735	ng/u1	88
12) 2-Chlorophenol	7.441	128	44131	18.596	ng/u1	98
13) 2-Methylphenol	8.329	108	42262	17.639	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.393	45	86451	14.156	ng/u1#	93
16) Acetophenone	8.693	105	72829	16.494	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.675	70	35257	14.522	ng/u1#	90
18) 4-Methylphenol	8.664	108	46364	17.465	ng/u1	99
19) Hexachloroethane	8.946	117	19500	18.467	ng/u1	97
22) Nitrobenzene	9.075	77	56826	19.511	ng/u1	99
23) Isophorone	9.592	82	101758	17.175	ng/u1	97
25) 2-Nitrophenol	9.786	139	27264	20.211	ng/u1	99
26) 2,4-Dimethylphenol	9.856	107	53086	19.861	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.074	93	54527	18.360	ng/u1#	93
29) 2,4-Dichlorophenol	10.332	162	50489	22.625	ng/u1	92
30) Naphthalene	10.714	128	147902	20.317	ng/u1	98
32) 4-Chloroaniline	10.832	127	58266	18.497	ng/u1	98
33) Hexachlorobutadiene	10.996	225	51585	23.649	ng/u1	96
34) Caprolactam	11.595	113	15959m	18.693	ng/u1	
35) 4-Chloro-3-methylphenol	11.983	107	51590	17.884	ng/u1	98
36) 2-Methylnaphthalene	12.330	142	102219	19.362	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.547	142	105306	19.437	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.700	216	85952	24.564	ng/ul	96
40) Hexachlorocyclopentadiene	12.671	237	24565	15.554	ng/ul#	94
41) 2,4,6-Trichlorophenol	12.953	196	46924	23.808	ng/ul	95
42) 2,4,5-Trichlorophenol	13.041	196	48090	23.170	ng/ul	94
43) 1,1'-Biphenyl	13.340	154	143865	20.993	ng/ul	95
44) 2-Chloronaphthalene	13.382	162	120013	22.253	ng/ul	97
45) 2-Nitroaniline	13.593	65	38902	17.477	ng/ul	91
47) Dimethylphthalate	13.963	163	164374	19.186	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	32413	19.293	ng/ul	96
50) Acenaphthylene	14.233	152	191272	20.185	ng/ul	99
51) 3-Nitroaniline	14.427	138	28143	19.302	ng/ul	90
52) Acenaphthene	14.574	153	129281	20.797	ng/ul	99
53) 2,4-Dinitrophenol	14.656	184	16750m	18.801	ng/ul	
55) 4-Nitrophenol	14.774	109	21588	18.068	ng/ul	90
56) Dibenzofuran	14.909	168	177261	19.944	ng/ul	96
57) 2,4-Dinitrotoluene	14.892	165	48266	18.883	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.150	232	38235	20.198	ng/ul	92
59) Diethylphthalate	15.332	149	148816	17.590	ng/ul	99
61) Fluorene	15.561	166	152077	19.776	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.555	204	91947	20.387	ng/ul	100
63) 4-Nitroaniline	15.591	138	27268	17.956	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.667	198	29141	18.330	ng/ul#	89
67) N-Nitrosodiphenylamine	15.767	169	131776	20.903	ng/ul	99
68) 4-Bromophenyl-phenylether	16.449	248	66500	22.377	ng/ul	93
69) Hexachlorobenzene	16.578	284	73014	22.104	ng/ul	94
70) Atrazine	16.725	200	47860	19.184	ng/ul	99
71) Pentachlorophenol	16.930	266	23465m	20.410	ng/ul	
72) Phenanthrene	17.306	178	248662	20.426	ng/ul	99
74) Anthracene	17.400	178	259340	20.604	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.311	216	84479	25.481	ng/uL	98
76) Pentachlorobenzene	14.839	250	86644	23.637	ng/uL	96
77) Carbazole	17.671	167	208470	20.363	ng/ul	99
78) Di-n-butylphthalate	18.223	149	257900	20.104	ng/ul	99
80) Fluoranthene	19.322	202	324335	19.737	ng/ul	99
82) Pyrene	19.686	202	336250	19.713	ng/ul	98
83) Butylbenzylphthalate	20.573	149	113770	19.416	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.419	252	122268	21.591	ng/ul	97
85) Benzo(a)anthracene	21.501	228	378576	20.566	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.407	149	164670	18.985	ng/ul#	97
87) Chrysene	21.566	228	350483	20.677	ng/ul	99
89) Di-n-octyl phthalate	22.571	149	282186	18.262	ng/ul	100
90) Benzo(b)fluoranthene	23.640	252	369811	20.110	ng/ul	99
91) Benzo(k)fluoranthene	23.705	252	378730	20.287	ng/ul	97
93) Benzo(a)pyrene	24.480	252	352681	20.197	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.152	276	428913m	20.311	ng/ul	
95) Dibenzo(a,h)anthracene	28.199	278	355643m	20.425	ng/ul	
96) Benzo(g,h,i)perylene	29.245	276	296744	17.664	ng/ul	99

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

