

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062043.D
 Acq On : 12 Jul 2024 15:25
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020569

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/15/2024

Supervised By :mohammad ahmed 07/15/2024

Quant Time: Jul 15 04:14:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jul 11 12:11:32 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.037	152	44600	20.000	ng/ul	0.00
20) Naphthalene-d8	10.858	136	217742	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.677	164	148715	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.421	188	331793	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.680	240	309826	20.000	ng/ul	# 0.00
88) Perylene-d12	24.894	264	358548	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.437	96	9632	8.116	ng/uL	0.00
4) Pyridine-d5	3.860	84	68821	18.859	ng/ul	0.00
7) Phenol-d5	7.203	99	83321	17.071	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.362	67	47800	15.465	ng/ul	0.00
11) 2-Chlorophenol-d4	7.573	132	59752	17.847	ng/ul	0.00
15) 4-Methylphenol-d8	8.748	113	70428	18.327	ng/ul	0.00
21) Nitrobenzene-d5	9.212	128	34922	21.088	ng/ul	0.00
24) 2-Nitrophenol-d4	9.929	143	38665	20.446	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.476	165	74595	20.450	ng/ul	0.00
31) 4-Chloroaniline-d4	10.993	131	94547	17.853	ng/ul	0.00
46) Dimethylphthalate-d6	14.077	166	216591	17.715	ng/ul	0.00
49) Acenaphthylene-d8	14.371	160	250003	19.555	ng/ul	0.00
54) 4-Nitrophenol-d4	14.882	143	33810	17.316	ng/ul	0.00
60) Fluorene-d10	15.664	176	189998	18.460	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	25269m	14.501	ng/ul	0.00
73) Anthracene-d10	17.520	188	302747	19.544	ng/ul	0.00
81) Pyrene-d10	19.800	212	341434	18.736	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.677	264	354130	19.915	ng/ul	0.01
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.478	88	11515	8.790	ng/uL#	78
5) Pyridine	3.878	79	71691	19.156	ng/ul#	81
6) Benzaldehyde	7.180	77	50954	19.725	ng/ul	95
8) Phenol	7.227	94	87142	17.438	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.462	93	60323	15.714	ng/ul	94
12) 2-Chlorophenol	7.608	128	62202	18.236	ng/ul#	91
13) 2-Methylphenol	8.484	108	67649	18.967	ng/ul	87
14) 2,2'-oxybis(1-Chloropr...	8.566	45	138522	16.517	ng/ul	98
16) Acetophenone	8.866	105	111528	17.569	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.842	70	57529	16.188	ng/ul	91
18) 4-Methylphenol	8.813	108	71176	17.820	ng/ul	98
19) Hexachloroethane	9.124	117	30571	20.661	ng/ul	96
22) Nitrobenzene	9.254	77	98476	20.949	ng/ul	93
23) Isophorone	9.771	82	170841	16.087	ng/ul	98
25) 2-Nitrophenol	9.965	139	40549	21.025	ng/ul	93
26) 2,4-Dimethylphenol	10.023	107	90007	19.500	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.252	93	91260	15.605	ng/ul	98
29) 2,4-Dichlorophenol	10.505	162	68334	19.943	ng/ul	95
30) Naphthalene	10.905	128	231655	19.368	ng/ul#	95
32) 4-Chloroaniline	11.016	127	91518	17.612	ng/ul	96
33) Hexachlorobutadiene	11.175	225	60413	23.430	ng/ul	92
34) Caprolactam	11.780	113	22503	16.763	ng/ul	91
35) 4-Chloro-3-methylphenol	12.138	107	85553	18.748	ng/ul	88
36) 2-Methylnaphthalene	12.509	142	161257	18.610	ng/ul	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.726	142	166765	18.519	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.867	216	97022	21.725	ng/ul	94
40) Hexachlorocyclopentadiene	12.838	237	18792	6.321	ng/ul	96
41) 2,4,6-Trichlorophenol	13.114	196	59288	19.987	ng/ul	94
42) 2,4,5-Trichlorophenol	13.196	196	59429	18.238	ng/ul	92
43) 1,1'-Biphenyl	13.507	154	217783	19.006	ng/ul	98
44) 2-Chloronaphthalene	13.554	162	173280	20.150	ng/ul	95
45) 2-Nitroaniline	13.760	65	72014	20.911	ng/ul	91
47) Dimethylphthalate	14.124	163	204969	17.429	ng/ul	100
48) 2,6-Dinitrotoluene	14.248	165	43214	19.370	ng/ul	97
50) Acenaphthylene	14.401	152	263752	18.797	ng/ul	97
51) 3-Nitroaniline	14.583	138	42772	19.696	ng/ul	93
52) Acenaphthene	14.741	153	185588	19.155	ng/ul	97
53) 2,4-Dinitrophenol	14.794	184	16829	14.439	ng/ul#	85
55) 4-Nitrophenol	14.894	109	48780m	21.890	ng/ul	
56) Dibenzofuran	15.076	168	255239	18.639	ng/ul	97
57) 2,4-Dinitrotoluene	15.035	165	66457	20.312	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.299	232	58011	19.716	ng/ul	95
59) Diethylphthalate	15.482	149	223101	17.605	ng/ul	94
61) Fluorene	15.723	166	212073	18.211	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.711	204	110691	18.923	ng/ul	92
63) 4-Nitroaniline	15.746	138	46096	20.919	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.805	198	26104	13.920	ng/ul#	89
67) N-Nitrosodiphenylamine	15.928	169	176176	19.443	ng/ul	98
68) 4-Bromophenyl-phenylether	16.604	248	76872	20.422	ng/ul	98
69) Hexachlorobenzene	16.721	284	93616	21.629	ng/ul	98
70) Atrazine	16.874	200	73424	20.527	ng/ul	96
71) Pentachlorophenol	17.068	266	49718	20.898	ng/ul	93
72) Phenanthrene	17.468	178	334238	19.105	ng/ul	98
74) Anthracene	17.556	178	344147	19.035	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.472	216	91900	22.301	ng/ul	97
76) Pentachlorobenzene	14.988	250	106953	22.756	ng/ul	94
77) Carbazole	17.826	167	297934	19.581	ng/ul	98
78) Di-n-butylphthalate	18.372	149	374407	19.166	ng/ul	99
80) Fluoranthene	19.471	202	404498	18.756	ng/ul#	91
82) Pyrene	19.829	202	414763	18.618	ng/ul	95
83) Butylbenzylphthalate	20.711	149	168529	18.025	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.574	252	158429	21.494	ng/ul	97
85) Benzo(a)anthracene	21.663	228	424395	18.919	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.557	149	249483	18.596	ng/ul	97
87) Chrysene	21.733	228	392491	18.690	ng/ul	98
89) Di-n-octyl phthalate	22.767	149	431975	19.720	ng/ul	100
90) Benzo(b)fluoranthene	23.872	252	438204	19.398	ng/ul	95
91) Benzo(k)fluoranthene	23.936	252	436458m	19.375	ng/ul	
93) Benzo(a)pyrene	24.747	252	409443	19.141	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.560	276	494120m	18.076	ng/ul	
95) Dibenzo(a,h)anthracene	28.625	278	429374m	19.018	ng/ul	
96) Benzo(g,h,i)perylene	29.700	276	364324m	16.753	ng/ul	

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

