

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061266.D
 Acq On : 23 May 2024 10:25
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020493

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/25/2024

Quant Time: May 24 01:00:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.885	152	20022	20.000	ng/u1	0.00
20) Naphthalene-d8	10.681	136	93899	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.518	164	82258	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.268	188	215358m	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	218839	20.000	ng/u1	0.00
88) Perylene-d12	24.606	264	240886	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	3122	8.726	ng/uL	0.00
4) Pyridine-d5	3.743	84	24484	19.236	ng/u1	0.00
7) Phenol-d5	7.062	99	30551	18.581	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.209	67	19880	19.236	ng/u1	0.00
11) 2-Chlorophenol-d4	7.421	132	22984	18.888	ng/u1	0.00
15) 4-Methylphenol-d8	8.602	113	26315	18.770	ng/u1	0.00
21) Nitrobenzene-d5	9.036	128	13043	18.041	ng/u1	0.00
24) 2-Nitrophenol-d4	9.759	143	14911	17.623	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.311	165	30160	18.284	ng/u1	0.00
31) 4-Chloroaniline-d4	10.817	131	40086	18.575	ng/u1	0.00
46) Dimethylphthalate-d6	13.925	166	116430	18.250	ng/u1	0.00
49) Acenaphthylene-d8	14.213	160	123080	18.557	ng/u1	0.00
54) 4-Nitrophenol-d4	14.741	143	14112	17.892	ng/u1	0.00
60) Fluorene-d10	15.511	176	102591	18.626	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.646	200	22559	17.319	ng/u1	0.00
73) Anthracene-d10	17.368	188	178300	18.779	ng/u1	0.00
81) Pyrene-d10	19.659	212	206506	18.378	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.389	264	210412	18.169	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.372	88	3830	8.919	ng/uL	93
5) Pyridine	3.760	79	23733	18.852	ng/u1	98
6) Benzaldehyde	7.027	77	18378	21.376	ng/u1	98
8) Phenol	7.092	94	30199	18.026	ng/u1	89
10) Bis(2-Chloroethyl)ether	7.309	93	24124	19.687	ng/u1	87
12) 2-Chlorophenol	7.450	128	24360	18.943	ng/u1	99
13) 2-Methylphenol	8.337	108	24480	18.855	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.419	45	63783m	19.273	ng/u1	
16) Acetophenone	8.701	105	45680	19.091	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.684	70	24771	18.828	ng/u1	97
18) 4-Methylphenol	8.660	108	26955	18.738	ng/u1	92
19) Hexachloroethane	8.960	117	10556	18.448	ng/u1	87
22) Nitrobenzene	9.083	77	35040	17.671	ng/u1	98
23) Isophorone	9.606	82	70639	17.513	ng/u1	98
25) 2-Nitrophenol	9.794	139	16662	18.143	ng/u1	99
26) 2,4-Dimethylphenol	9.859	107	33565	18.445	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.082	93	37695	18.643	ng/u1	97
29) 2,4-Dichlorophenol	10.335	162	27618	18.178	ng/u1	97
30) Naphthalene	10.728	128	89782	18.115	ng/u1	98
32) 4-Chloroaniline	10.840	127	39142	18.252	ng/u1	98
33) Hexachlorobutadiene	11.016	225	26098	17.574	ng/u1	93
34) Caprolactam	11.604	113	10554m	18.158	ng/u1	
35) 4-Chloro-3-methylphenol	11.980	107	34843	17.741	ng/u1	92
36) 2-Methylnaphthalene	12.344	142	67491	18.778	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.556	142	66971	18.156	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.714	216	49300	18.153	ng/ul	96
40) Hexachlorocyclopentadiene	12.691	237	26244	21.409	ng/ul	88
41) 2,4,6-Trichlorophenol	12.961	196	27339	17.872	ng/ul	90
42) 2,4,5-Trichlorophenol	13.037	196	30159m	18.722	ng/ul	
43) 1,1'-Biphenyl	13.349	154	98738	18.563	ng/ul	98
44) 2-Chloronaphthalene	13.396	162	78383	18.726	ng/ul	96
45) 2-Nitroaniline	13.602	65	30508	17.659	ng/ul	93
47) Dimethylphthalate	13.972	163	119498	17.971	ng/ul	99
48) 2,6-Dinitrotoluene	14.095	165	23882	18.315	ng/ul	94
50) Acenaphthylene	14.242	152	134547	18.294	ng/ul	99
51) 3-Nitroaniline	14.424	138	21354	18.870	ng/ul	99
52) Acenaphthene	14.583	153	91033	18.868	ng/ul	97
53) 2,4-Dinitrophenol	14.647	184	14618	21.140	ng/ul	96
55) 4-Nitrophenol	14.759	109	15376	16.581	ng/ul	97
56) Dibenzofuran	14.918	168	128330	18.603	ng/ul	98
57) 2,4-Dinitrotoluene	14.888	165	37064	18.682	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.153	232	26727	18.191	ng/ul#	96
59) Diethylphthalate	15.341	149	121993	18.579	ng/ul	98
61) Fluorene	15.570	166	110080	18.443	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.564	204	65641	18.752	ng/ul	99
63) 4-Nitroaniline	15.587	138	23427	19.876	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.658	198	23097	16.920	ng/ul	92
67) N-Nitrosodiphenylamine	15.775	169	98247	18.151	ng/ul	97
68) 4-Bromophenyl-phenylether	16.457	248	45466	17.818	ng/ul	99
69) Hexachlorobenzene	16.580	284	51718	18.234	ng/ul	95
70) Atrazine	16.727	200	39670	18.519	ng/ul	98
71) Pentachlorophenol	16.933	266	20702m	20.971	ng/ul	
72) Phenanthrene	17.309	178	193079m	18.472	ng/ul	
74) Anthracene	17.403	178	202527	18.740	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.320	216	50617	17.781	ng/uL	96
76) Pentachlorobenzene	14.841	250	55057	17.493	ng/uL	91
77) Carbazole	17.673	167	166849	18.981	ng/ul	99
78) Di-n-butylphthalate	18.231	149	206404	18.739	ng/ul	100
80) Fluoranthene	19.324	202	245239	18.193	ng/ul	99
82) Pyrene	19.689	202	257251	18.386	ng/ul	98
83) Butylbenzylphthalate	20.576	149	88005	18.309	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.416	252	89909	19.356	ng/ul	99
85) Benzo(a)anthracene	21.498	228	277378	18.369	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.416	149	129118	18.148	ng/ul	97
87) Chrysene	21.563	228	259312	18.650	ng/ul	98
89) Di-n-octyl phthalate	22.579	149	226385	18.785	ng/ul	100
90) Benzo(b)fluoranthene	23.625	252	267121	18.625	ng/ul	99
91) Benzo(k)fluoranthene	23.690	252	263703	18.112	ng/ul	95
93) Benzo(a)pyrene	24.459	252	254540	18.690	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.102	276	302185	18.348	ng/ul	97
95) Dibenzo(a,h)anthracene	28.155	278	250263	18.429	ng/ul#	98
96) Benzo(g,h,i)perylene	29.189	276	239690	18.294	ng/ul	96

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

