

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052924\
 Data File : BG061359.D
 Acq On : 30 May 2024 13:10
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020503

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/01/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 02:26:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	43109	20.000	ng/u1	0.00
20) Naphthalene-d8	10.678	136	179959	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.521	164	135914	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.270	188	307884	20.000	ng/u1	0.01
79) Chrysene-d12	21.518	240	312880	20.000	ng/u1	0.00
88) Perylene-d12	24.609	264	346318	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	5507	7.149	ng/uL	0.00
4) Pyridine-d5	3.745	84	46323	16.903	ng/u1	0.00
7) Phenol-d5	7.065	99	63644	17.978	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.212	67	38856	17.462	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	50106	19.125	ng/u1	0.01
15) 4-Methylphenol-d8	8.604	113	53935	17.867	ng/u1	0.01
21) Nitrobenzene-d5	9.039	128	27149	19.594	ng/u1	0.01
24) 2-Nitrophenol-d4	9.762	143	31324	19.317	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.308	165	62065	19.633	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	73692	17.818	ng/u1	0.01
46) Dimethylphthalate-d6	13.921	166	186485	17.691	ng/u1	0.00
49) Acenaphthylene-d8	14.209	160	213825	19.511	ng/u1	0.00
54) 4-Nitrophenol-d4	14.750	143	21437	16.449	ng/u1	0.01
60) Fluorene-d10	15.514	176	167632	18.419	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.649	200	28680	15.402	ng/u1	0.01
73) Anthracene-d10	17.364	188	259970	19.153	ng/u1	0.00
81) Pyrene-d10	19.656	212	304371	18.946	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.397	264	322931	19.396	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	6620	7.160	ng/uL	96
5) Pyridine	3.763	79	46152	17.027	ng/u1	95
6) Benzaldehyde	7.024	77	36941	19.956	ng/u1	89
8) Phenol	7.094	94	64736	17.947	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.306	93	46888	17.771	ng/u1	93
12) 2-Chlorophenol	7.453	128	53177	19.205	ng/u1	99
13) 2-Methylphenol	8.334	108	50988	18.240	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.410	45	122545	17.198	ng/u1#	98
16) Acetophenone	8.704	105	87744	17.032	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.686	70	44100	15.569	ng/u1	93
18) 4-Methylphenol	8.663	108	53997	17.434	ng/u1	97
19) Hexachloroethane	8.963	117	23357	18.959	ng/u1	96
22) Nitrobenzene	9.080	77	71387	18.785	ng/u1	99
23) Isophorone	9.603	82	125658	16.255	ng/u1	99
25) 2-Nitrophenol	9.791	139	33366	18.957	ng/u1	99
26) 2,4-Dimethylphenol	9.861	107	64741	18.564	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.085	93	70489	18.191	ng/u1	97
29) 2,4-Dichlorophenol	10.337	162	57076	19.602	ng/u1	99
30) Naphthalene	10.725	128	182715	19.236	ng/u1	98
32) 4-Chloroaniline	10.837	127	72779	17.708	ng/u1	97
33) Hexachlorobutadiene	11.013	225	55241	19.410	ng/u1	97
34) Caprolactam	11.595	113	16412m	14.733	ng/u1	
35) 4-Chloro-3-methylphenol	11.977	107	63802	16.951	ng/u1	92
36) 2-Methylnaphthalene	12.335	142	125557	18.228	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.558	142	125062	17.691	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.711	216	97416	21.709	ng/ul	97
40) Hexachlorocyclopentadiene	12.688	237	28563	14.102	ng/ul#	91
41) 2,4,6-Trichlorophenol	12.958	196	53365	21.113	ng/ul	97
42) 2,4,5-Trichlorophenol	13.040	196	56307	21.155	ng/ul	94
43) 1,1'-Biphenyl	13.352	154	179537	20.429	ng/ul	99
44) 2-Chloronaphthalene	13.393	162	145378	21.020	ng/ul	98
45) 2-Nitroaniline	13.598	65	51804	18.148	ng/ul	97
47) Dimethylphthalate	13.974	163	193031	17.569	ng/ul	99
48) 2,6-Dinitrotoluene	14.098	165	38552	17.893	ng/ul	94
50) Acenaphthylene	14.239	152	229763	18.907	ng/ul	99
51) 3-Nitroaniline	14.427	138	36063	19.287	ng/ul	92
52) Acenaphthene	14.579	153	155013	19.445	ng/ul	99
53) 2,4-Dinitrophenol	14.644	184	21210	18.564	ng/ul	98
55) 4-Nitrophenol	14.762	109	24870	16.231	ng/ul	94
56) Dibenzofuran	14.920	168	212504	18.644	ng/ul	99
57) 2,4-Dinitrotoluene	14.891	165	57675	17.595	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.155	232	44592	18.369	ng/ul	98
59) Diethylphthalate	15.337	149	183317	16.896	ng/ul	100
61) Fluorene	15.567	166	181226	18.376	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.561	204	106320	18.382	ng/ul	99
63) 4-Nitroaniline	15.590	138	37384	19.196	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.661	198	29824	15.282	ng/ul	95
67) N-Nitrosodiphenylamine	15.778	169	156753	20.257	ng/ul	98
68) 4-Bromophenyl-phenylether	16.454	248	74730	20.485	ng/ul	95
69) Hexachlorobenzene	16.577	284	81827	20.180	ng/ul	96
70) Atrazine	16.730	200	56426	18.425	ng/ul	94
71) Pentachlorophenol	16.930	266	34365m	24.350	ng/ul	
72) Phenanthrene	17.312	178	287783	19.258	ng/ul	100
74) Anthracene	17.400	178	292494	18.931	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.316	216	98434	24.187	ng/uL	97
76) Pentachlorobenzene	14.844	250	96893	21.534	ng/uL	98
77) Carbazole	17.670	167	240131	19.108	ng/ul	100
78) Di-n-butylphthalate	18.228	149	293941	18.667	ng/ul	100
80) Fluoranthene	19.327	202	366682	19.027	ng/ul	99
82) Pyrene	19.685	202	375346	18.763	ng/ul	99
83) Butylbenzylphthalate	20.578	149	134188	19.526	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.419	252	133453	20.094	ng/ul	99
85) Benzo(a)anthracene	21.501	228	416535	19.294	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	196055	19.274	ng/ul	100
87) Chrysene	21.565	228	379770	19.104	ng/ul	99
89) Di-n-octyl phthalate	22.576	149	337590	19.484	ng/ul	100
90) Benzo(b)fluoranthene	23.634	252	401920	19.492	ng/ul	98
91) Benzo(k)fluoranthene	23.692	252	404439	19.321	ng/ul	96
93) Benzo(a)pyrene	24.468	252	369558	18.875	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.117	276	412922m	17.439	ng/ul	
95) Dibenzo(a,h)anthracene	28.158	278	342604m	17.548	ng/ul	
96) Benzo(g,h,i)perylene	29.203	276	291908m	15.497	ng/ul	

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

