

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052824\
 Data File : BG061304.D
 Acq On : 28 May 2024 18:00
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020498

Quant Time: May 29 07:09:39 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.882	152	26282	20.000	ng/u1	0.00
20) Naphthalene-d8	10.678	136	119342	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.521	164	101773	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	238525	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.518	240	237251	20.000	ng/u1	0.00
88) Perylene-d12	24.597	264	267631	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	3475	7.399	ng/uL	0.00
4) Pyridine-d5	3.745	84	31507	18.858	ng/u1	0.00
7) Phenol-d5	7.065	99	42441	19.664	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.212	67	26514	19.545	ng/u1	0.00
11) 2-Chlorophenol-d4	7.423	132	32194	20.155	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	36736	19.961	ng/u1	0.00
21) Nitrobenzene-d5	9.039	128	17971	19.558	ng/u1	0.00
24) 2-Nitrophenol-d4	9.762	143	20858	19.396	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	43920	20.950	ng/u1	0.00
31) 4-Chloroaniline-d4	10.813	131	52238	19.046	ng/u1	0.00
46) Dimethylphthalate-d6	13.921	166	142589	18.065	ng/u1	0.00
49) Acenaphthylene-d8	14.209	160	158578	19.324	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	17215	17.641	ng/u1	0.00
60) Fluorene-d10	15.514	176	129656	19.026	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.643	200	24017	16.648	ng/u1	0.00
73) Anthracene-d10	17.365	188	206358	19.624	ng/u1	0.00
81) Pyrene-d10	19.656	212	238659	19.591	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.392	264	252287	19.608	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	4142	7.348	ng/uL#	90
5) Pyridine	3.763	79	30985	18.750	ng/u1	95
6) Benzaldehyde	7.024	77	24981	22.136	ng/u1	93
8) Phenol	7.088	94	43506	19.784	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.306	93	32764	20.369	ng/u1	92
12) 2-Chlorophenol	7.453	128	33648	19.933	ng/u1	98
13) 2-Methylphenol	8.334	108	32821	19.258	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.410	45	82354	18.958	ng/u1	99
16) Acetophenone	8.704	105	61990	19.737	ng/u1	89
17) N-Nitroso-di-n-propyla...	8.686	70	30649	17.747	ng/u1	97
18) 4-Methylphenol	8.663	108	36476	19.317	ng/u1	94
19) Hexachloroethane	8.957	117	15064	20.056	ng/u1#	84
22) Nitrobenzene	9.086	77	47022	18.658	ng/u1	96
23) Isophorone	9.603	82	91971	17.940	ng/u1	99
25) 2-Nitrophenol	9.797	139	22646	19.402	ng/u1	92
26) 2,4-Dimethylphenol	9.862	107	45314	19.593	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.085	93	49756	19.362	ng/u1	99
29) 2,4-Dichlorophenol	10.337	162	39282	20.343	ng/u1	97
30) Naphthalene	10.725	128	125726	19.959	ng/u1	98
32) 4-Chloroaniline	10.837	127	51074	18.738	ng/u1	100
33) Hexachlorobutadiene	11.013	225	37437	19.835	ng/u1	96
34) Caprolactam	11.589	113	13143m	17.791	ng/u1	
35) 4-Chloro-3-methylphenol	11.977	107	47334	18.963	ng/u1	95
36) 2-Methylnaphthalene	12.335	142	90134	19.731	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.558	142	90682	19.343	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.711	216	70286	20.918	ng/ul	97
40) Hexachlorocyclopentadiene	12.688	237	28982	19.109	ng/ul	90
41) 2,4,6-Trichlorophenol	12.952	196	38276	20.224	ng/ul	97
42) 2,4,5-Trichlorophenol	13.034	196	40601	20.371	ng/ul	95
43) 1,1'-Biphenyl	13.352	154	131539	19.988	ng/ul	98
44) 2-Chloronaphthalene	13.393	162	105437	20.359	ng/ul	98
45) 2-Nitroaniline	13.598	65	38400	17.965	ng/ul	92
47) Dimethylphthalate	13.969	163	148874	18.096	ng/ul	99
48) 2,6-Dinitrotoluene	14.098	165	29567	18.327	ng/ul	97
50) Acenaphthylene	14.239	152	176154	19.358	ng/ul	99
51) 3-Nitroaniline	14.421	138	27222	19.443	ng/ul	99
52) Acenaphthene	14.580	153	117016	19.603	ng/ul	98
53) 2,4-Dinitrophenol	14.644	184	14702	17.185	ng/ul	89
55) 4-Nitrophenol	14.756	109	18674	16.276	ng/ul	92
56) Dibenzofuran	14.914	168	165008	19.333	ng/ul	94
57) 2,4-Dinitrotoluene	14.891	165	43214	17.606	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.155	232	35082	19.299	ng/ul#	92
59) Diethylphthalate	15.337	149	142121	17.494	ng/ul	99
61) Fluorene	15.567	166	140279	18.996	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.561	204	81996	18.933	ng/ul	98
63) 4-Nitroaniline	15.590	138	27286	18.711	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.661	198	26647	17.625	ng/ul#	92
67) N-Nitrosodiphenylamine	15.772	169	122125	20.371	ng/ul	98
68) 4-Bromophenyl-phenylether	16.454	248	58021	20.530	ng/ul	98
69) Hexachlorobenzene	16.577	284	63069	20.077	ng/ul	99
70) Atrazine	16.724	200	45464	19.162	ng/ul	98
71) Pentachlorophenol	16.930	266	26616m	24.343	ng/ul	
72) Phenanthrene	17.306	178	231002	19.954	ng/ul	98
74) Anthracene	17.400	178	235718	19.692	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.316	216	69614	22.079	ng/uL	96
76) Pentachlorobenzene	14.844	250	73607	21.115	ng/uL	94
77) Carbazole	17.670	167	193768	19.902	ng/ul	98
78) Di-n-butylphthalate	18.228	149	235915	19.338	ng/ul	98
80) Fluoranthene	19.321	202	290333	19.867	ng/ul	99
82) Pyrene	19.685	202	293646	19.358	ng/ul	98
83) Butylbenzylphthalate	20.578	149	102788	19.725	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.419	252	105053	20.861	ng/ul	99
85) Benzo(a)anthracene	21.501	228	316940	19.361	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	149910	19.435	ng/ul	97
87) Chrysene	21.565	228	292200	19.385	ng/ul	98
89) Di-n-octyl phthalate	22.576	149	257184	19.208	ng/ul	100
90) Benzo(b)fluoranthene	23.628	252	307947	19.326	ng/ul	100
91) Benzo(k)fluoranthene	23.692	252	309274	19.119	ng/ul	97
93) Benzo(a)pyrene	24.456	252	297648	19.671	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.099	276	362390	19.805	ng/ul	98
95) Dibenzo(a,h)anthracene	28.146	278	298392	19.777	ng/ul	99
96) Benzo(g,h,i)perylene	29.180	276	288432	19.814	ng/ul	99

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

