

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092623\
 Data File : BG059202.D
 Acq On : 26 Sep 2023 19:05
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020573

Quant Time: Sep 26 23:55:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 26 23:48:55 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.295	152	38985	20.000	ng/u1	0.00
20) Naphthalene-d8	11.138	136	199190	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.922	164	149624	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.672	188	369340	20.000	ng/u1	0.00
79) Chrysene-d12	21.996	240	296177	20.000	ng/u1	0.00
88) Perylene-d12	25.539	264	342935	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.606	96	8948	8.984	ng/uL	0.00
4) Pyridine-d5	4.041	84	63492	21.729	ng/u1	0.00
7) Phenol-d5	7.419	99	84865	22.139	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.613	67	50996	21.678	ng/u1	0.00
11) 2-Chlorophenol-d4	7.813	132	63478	22.440	ng/u1	0.00
15) 4-Methylphenol-d8	8.988	113	68447	22.420	ng/u1	0.00
21) Nitrobenzene-d5	9.493	128	32612	21.217	ng/u1	0.00
24) 2-Nitrophenol-d4	10.210	143	36120	23.262	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.739	165	68021	23.075	ng/u1	0.00
31) 4-Chloroaniline-d4	11.279	131	103234	22.438	ng/u1	0.00
46) Dimethylphthalate-d6	14.317	166	254760	22.139	ng/u1	0.00
49) Acenaphthylene-d8	14.628	160	296720	21.177	ng/u1	0.00
54) 4-Nitrophenol-d4	15.110	143	26556m	12.649	ng/u1	0.00
60) Fluorene-d10	15.909	176	238055	22.600	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.021	200	39782	18.946	ng/u1	0.00
73) Anthracene-d10	17.772	188	357067	21.247	ng/u1	0.00
81) Pyrene-d10	20.046	212	401132	23.171	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.292	264	343909	20.538	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.647	88	9533	8.465	ng/uL	98
5) Pyridine	4.064	79	61254	20.573	ng/u1	96
6) Benzaldehyde	7.443	77	47991	24.144	ng/u1	95
8) Phenol	7.449	94	86493	21.952	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.713	93	68836	21.760	ng/u1	95
12) 2-Chlorophenol	7.848	128	61347	21.255	ng/u1	93
13) 2-Methylphenol	8.724	108	64545	22.074	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.794	45	147307	22.429	ng/u1#	97
16) Acetophenone	9.135	105	110382	23.485	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.100	70	52841	22.239	ng/u1	88
18) 4-Methylphenol	9.053	108	72026	22.986	ng/u1	91
19) Hexachloroethane	9.382	117	24113	21.249	ng/u1	98
22) Nitrobenzene	9.534	77	76934	22.103	ng/u1	91
23) Isophorone	10.040	82	172719	23.141	ng/u1	99
25) 2-Nitrophenol	10.245	139	40003	23.054	ng/u1	97
26) 2,4-Dimethylphenol	10.269	107	75437	23.253	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.527	93	103308	22.248	ng/u1	98
29) 2,4-Dichlorophenol	10.768	162	68567	23.010	ng/u1	92
30) Naphthalene	11.191	128	239829	22.501	ng/u1	99
32) 4-Chloroaniline	11.309	127	96968	21.410	ng/u1	96
33) Hexachlorobutadiene	11.420	225	40562	21.148	ng/u1#	87
34) Caprolactam	12.084	113	29581	27.107	ng/u1#	63
35) 4-Chloro-3-methylphenol	12.384	107	74690	23.796	ng/u1	90
36) 2-Methylnaphthalene	12.766	142	166527	23.393	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.989	142	170611	23.725	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.113	216	87406	19.926	ng/ul	98
40) Hexachlorocyclopentadiene	13.066	237	47498	16.985	ng/ul	98
41) 2,4,6-Trichlorophenol	13.353	196	58939	20.576	ng/ul	95
42) 2,4,5-Trichlorophenol	13.424	196	65291	21.073	ng/ul	94
43) 1,1'-Biphenyl	13.759	154	243580	20.395	ng/ul	94
44) 2-Chloronaphthalene	13.812	162	182979	20.066	ng/ul	95
45) 2-Nitroaniline	14.029	65	61543	21.291	ng/ul	91
47) Dimethylphthalate	14.364	163	258346	21.981	ng/ul	99
48) 2,6-Dinitrotoluene	14.511	165	52144	24.009	ng/ul	99
50) Acenaphthylene	14.658	152	314984	21.047	ng/ul	98
51) 3-Nitroaniline	14.852	138	42611	17.781	ng/ul#	99
52) Acenaphthene	14.987	153	215580	21.242	ng/ul	98
53) 2,4-Dinitrophenol	15.046	184	17448	13.333	ng/ul	90
55) 4-Nitrophenol	15.128	109	18418	13.274	ng/ul	94
56) Dibenzofuran	15.322	168	288210	21.410	ng/ul	94
57) 2,4-Dinitrotoluene	15.286	165	72744	23.232	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.533	232	63532	22.152	ng/ul#	94
59) Diethylphthalate	15.710	149	259954	22.446	ng/ul	100
61) Fluorene	15.968	166	253790	22.080	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.950	204	127853	22.412	ng/ul	90
63) 4-Nitroaniline	16.009	138	30943m	13.929	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.033	198	40541	17.913	ng/ul#	97
67) N-Nitrosodiphenylamine	16.168	169	206624	21.013	ng/ul	98
68) 4-Bromophenyl-phenylether	16.849	248	81073	22.562	ng/ul	89
69) Hexachlorobenzene	16.937	284	92010	22.354	ng/ul	92
70) Atrazine	17.102	200	88194	22.541	ng/ul	94
71) Pentachlorophenol	17.296	266	47963m	17.940	ng/ul	
72) Phenanthrene	17.719	178	441540	21.363	ng/ul	99
74) Anthracene	17.807	178	450980	21.354	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.724	216	98097	19.922	ng/ul	94
76) Pentachlorobenzene	15.216	250	95344	20.934	ng/ul	98
77) Carbazole	18.083	167	329717	18.779	ng/ul	98
78) Di-n-butylphthalate	18.588	149	470806	21.766	ng/ul	98
80) Fluoranthene	19.711	202	502128	23.276	ng/ul	98
82) Pyrene	20.075	202	518566	23.045	ng/ul	97
83) Butylbenzylphthalate	20.933	149	198420	24.412	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.885	252	121520	16.979	ng/ul	99
85) Benzo(a)anthracene	21.967	228	471886	21.945	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.802	149	298161	24.518	ng/ul	99
87) Chrysene	22.049	228	429271	21.406	ng/ul	98
89) Di-n-octyl phthalate	23.118	149	510354	24.342	ng/ul	100
90) Benzo(b)fluoranthene	24.393	252	473124	22.641	ng/ul	100
91) Benzo(k)fluoranthene	24.470	252	471823	21.777	ng/ul	100
93) Benzo(a)pyrene	25.369	252	425513	21.188	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.646	276	433208m	18.967	ng/ul	
95) Dibenzo(a,h)anthracene	29.734	278	303260m	16.522	ng/ul	
96) Benzo(g,h,i)perylene	30.950	276	386827m	21.024	ng/ul	

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

