

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058917.D
 Acq On : 8 Sep 2023 12:02
 Operator : MA/JU
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010401

Quant Time: Sep 08 23:41:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 08 22:56:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2023
 Supervised By :mohammad ahmed 09/10/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	45159	20.000	ng/u1	0.00
20) Naphthalene-d8	11.180	136	203278	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.964	164	194098	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.714	188	581233m	20.000	ng/u1	0.00
79) Chrysene-d12	22.038	240	510136	20.000	ng/u1	0.00
88) Perylene-d12	25.616	264	551400	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.642	96	3544m	3.778	ng/uL	0.00
4) Pyridine-d5	4.077	84	31093	9.618	ng/u1	0.00
7) Phenol-d5	7.438	99	39944	8.918	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.655	67	23689	9.349	ng/u1	0.00
11) 2-Chlorophenol-d4	7.849	132	25610	9.586	ng/u1	0.00
15) 4-Methylphenol-d8	9.018	113	31451	9.060	ng/u1	0.00
21) Nitrobenzene-d5	9.529	128	8688	7.256	ng/u1	0.00
24) 2-Nitrophenol-d4	10.252	143	11249	8.576	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.775	165	34005	8.936	ng/u1	0.00
31) 4-Chloroaniline-d4	11.321	131	47563	9.744	ng/u1	0.00
46) Dimethylphthalate-d6	14.359	166	144959	9.675	ng/u1	0.00
49) Acenaphthylene-d8	14.664	160	154035	9.511	ng/u1	0.00
54) 4-Nitrophenol-d4	15.117	143	17070	8.623	ng/u1	0.00
60) Fluorene-d10	15.945	176	139016	9.844	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.045	200	20707m	7.825	ng/u1	0.00
73) Anthracene-d10	17.808	188	248863	9.412	ng/u1	0.00
81) Pyrene-d10	20.076	212	310195	10.485	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.364	264	249676	9.192	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.683	88	4549	3.848	ng/uL#	80
5) Pyridine	4.100	79	31911	9.265	ng/u1	96
6) Benzaldehyde	7.479	77	27631	10.466	ng/u1	93
8) Phenol	7.467	94	44689	9.568	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.755	93	35422	10.225	ng/u1	88
12) 2-Chlorophenol	7.884	128	24966	9.268	ng/u1	93
13) 2-Methylphenol	8.748	108	31765	9.083	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.854	45	38303m	9.607	ng/u1	
16) Acetophenone	9.177	105	57918	9.357	ng/u1	91
17) N-Nitroso-di-n-propyla...	9.142	70	29782	9.199	ng/u1#	98
18) 4-Methylphenol	9.077	108	35000	9.146	ng/u1	96
19) Hexachloroethane	9.429	117	9701	8.823	ng/u1	89
22) Nitrobenzene	9.576	77	34405	8.401	ng/u1	99
23) Isophorone	10.082	82	97548	9.547	ng/u1	99
25) 2-Nitrophenol	10.287	139	11912	8.419	ng/u1	96
26) 2,4-Dimethylphenol	10.305	107	41864	9.517	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.569	93	49529	9.361	ng/u1#	89
29) 2,4-Dichlorophenol	10.804	162	32346	8.967	ng/u1	87
30) Naphthalene	11.233	128	108146	9.848	ng/u1	96
32) 4-Chloroaniline	11.351	127	42996	9.287	ng/u1	99
33) Hexachlorobutadiene	11.462	225	32539	9.211	ng/u1#	87
34) Caprolactam	12.109	113	12173	9.952	ng/u1#	77
35) 4-Chloro-3-methylphenol	12.408	107	40743	9.614	ng/u1	98
36) 2-Methylnaphthalene	12.808	142	80675	9.705	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.025	142	84766	9.969	ng/ul	89
39) 1,2,4,5-Tetrachloroben...	13.149	216	64680	8.931	ng/ul	96
40) Hexachlorocyclopentadiene	13.107	237	68000	13.046	ng/ul	92
41) 2,4,6-Trichlorophenol	13.389	196	38175	9.071	ng/ul	95
42) 2,4,5-Trichlorophenol	13.454	196	41388	9.156	ng/ul	95
43) 1,1'-Biphenyl	13.801	154	121654	9.211	ng/ul	97
44) 2-Chloronaphthalene	13.854	162	96118	9.125	ng/ul	98
45) 2-Nitroaniline	14.059	65	18271	7.845	ng/ul	89
47) Dimethylphthalate	14.406	163	144928	9.514	ng/ul	97
48) 2,6-Dinitrotoluene	14.541	165	17577	8.129	ng/ul	93
50) Acenaphthylene	14.694	152	172970	9.571	ng/ul	95
51) 3-Nitroaniline	14.876	138	19695	9.039	ng/ul	90
52) Acenaphthene	15.023	153	112002	9.518	ng/ul	95
53) 2,4-Dinitrophenol	15.070	184	24576	13.436	ng/ul#	86
55) 4-Nitrophenol	15.134	109	20618	8.327	ng/ul	98
56) Dibenzofuran	15.358	168	167459	9.533	ng/ul	99
57) 2,4-Dinitrotoluene	15.317	165	26920	8.631	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.557	232	43727	9.172	ng/ul#	96
59) Diethylphthalate	15.751	149	137421	10.037	ng/ul	95
61) Fluorene	16.004	166	149675	10.037	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.992	204	86815	9.704	ng/ul	98
63) 4-Nitroaniline	16.033	138	19877	9.629	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.063	198	20622	7.423	ng/ul	93
67) N-Nitrosodiphenylamine	16.204	169	128669	9.002	ng/ul	94
68) 4-Bromophenyl-phenylether	16.891	248	62567	8.865	ng/ul	89
69) Hexachlorobenzene	16.974	284	75436	9.262	ng/ul	97
70) Atrazine	17.144	200	59253	10.325	ng/ul	97
71) Pentachlorophenol	17.326	266	42318	8.460	ng/ul	95
72) Phenanthrene	17.755	178	267090m	9.467	ng/ul	
74) Anthracene	17.849	178	277059	9.617	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.754	216	69647	8.252	ng/uL	96
76) Pentachlorobenzene	15.252	250	71569	8.414	ng/uL	98
77) Carbazole	18.119	167	228760	10.462	ng/ul	97
78) Di-n-butylphthalate	18.636	149	214302	10.902	ng/ul	97
80) Fluoranthene	19.747	202	376690	10.476	ng/ul	99
82) Pyrene	20.111	202	375854	10.436	ng/ul	98
83) Butylbenzylphthalate	20.981	149	50092	8.021	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.927	252	106651	9.571	ng/ul	94
85) Benzo(a)anthracene	22.015	228	331385	9.541	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.874	149	77882	7.995	ng/ul	92
87) Chrysene	22.091	228	308690	9.488	ng/ul	95
89) Di-n-octyl phthalate	23.225	149	137639	7.993	ng/ul	100
90) Benzo(b)fluoranthene	24.459	252	302364	9.106	ng/ul	96
91) Benzo(k)fluoranthene	24.535	252	313130m	9.372	ng/ul	
93) Benzo(a)pyrene	25.446	252	291922	9.396	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	29.764	276	365132m	9.422	ng/ul	
95) Dibenzo(a,h)anthracene	29.858	278	298186	9.466	ng/ul#	98
96) Benzo(g,h,i)perylene	31.063	276	290380m	9.426	ng/ul	

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

