

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058919.D
 Acq On : 8 Sep 2023 14:06
 Operator : MA/JU
 Sample : SST04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST040403

Quant Time: Sep 08 23:43:38 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	8.336	152	58047	20.000	ng/u1	0.00
20) Naphthalene-d8	11.180	136	244138	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.963	164	221628	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.713	188	581267	20.000	ng/u1	0.00
79) Chrysene-d12	22.043	240	477369	20.000	ng/u1	0.00
88) Perylene-d12	25.622	264	553907	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.641	96	18501m	15.343	ng/uL	0.00
4) Pyridine-d5	4.076	84	164455	39.577	ng/u1	0.00
7) Phenol-d5	7.443	99	226282	39.304	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.654	67	128305	39.394	ng/u1	0.00
11) 2-Chlorophenol-d4	7.848	132	140962	41.047	ng/u1	0.00
15) 4-Methylphenol-d8	9.023	113	172301	38.614	ng/u1	0.00
21) Nitrobenzene-d5	9.535	128	70433	48.979	ng/u1	0.00
24) 2-Nitrophenol-d4	10.251	143	75417	47.875	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.774	165	200027	43.766	ng/u1	0.00
31) 4-Chloroaniline-d4	11.321	131	246752	42.089	ng/u1	0.00
46) Dimethylphthalate-d6	14.364	166	702817	41.080	ng/u1	0.00
49) Acenaphthylene-d8	14.664	160	770165	41.648	ng/u1	0.00
54) 4-Nitrophenol-d4	15.128	143	97213	43.008	ng/u1	0.00
60) Fluorene-d10	15.951	176	658273	40.824	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.056	200	112416	42.479	ng/u1	0.00
73) Anthracene-d10	17.813	188	1072399	40.554	ng/u1	0.00
81) Pyrene-d10	20.081	212	1078217	38.946	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.375	264	1130276	41.423	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.683	88	23108	15.208	ng/uL#	91
5) Pyridine	4.100	79	173941	39.289	ng/u1	95
6) Benzaldehyde	7.478	77	144196	42.490	ng/u1	94
8) Phenol	7.472	94	231123	38.495	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.754	93	176491	39.636	ng/u1	96
12) 2-Chlorophenol	7.884	128	138959	40.131	ng/u1	99
13) 2-Methylphenol	8.753	108	178023	39.600	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.841	45	200483	39.121	ng/u1#	92
16) Acetophenone	9.182	105	314359	39.511	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.153	70	169664	40.772	ng/u1	99
18) 4-Methylphenol	9.082	108	182786	37.159	ng/u1	93
19) Hexachloroethane	9.423	117	57727	40.846	ng/u1	93
22) Nitrobenzene	9.576	77	225063	45.761	ng/u1	93
23) Isophorone	10.093	82	505410	41.187	ng/u1	96
25) 2-Nitrophenol	10.287	139	78296	46.078	ng/u1#	70
26) 2,4-Dimethylphenol	10.304	107	215540	40.799	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.574	93	259558	40.845	ng/u1	94
29) 2,4-Dichlorophenol	10.804	162	190107	43.883	ng/u1	95
30) Naphthalene	11.233	128	543866	41.238	ng/u1#	97
32) 4-Chloroaniline	11.350	127	232341	41.784	ng/u1	100
33) Hexachlorobutadiene	11.462	225	176278	41.549	ng/u1	94
34) Caprolactam	12.131	113	62425m	42.492	ng/u1	
35) 4-Chloro-3-methylphenol	12.414	107	211745	41.601	ng/u1	97
36) 2-Methylnaphthalene	12.813	142	409501	41.016	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.030	142	413464	40.489	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	13.154	216	343168	41.497	ng/ul	95
40) Hexachlorocyclopentadiene	13.107	237	210901	35.435	ng/ul	99
41) 2,4,6-Trichlorophenol	13.389	196	206064	42.880	ng/ul	94
42) 2,4,5-Trichlorophenol	13.459	196	225238	43.640	ng/ul	97
43) 1,1'-Biphenyl	13.800	154	620947	41.177	ng/ul	99
44) 2-Chloronaphthalene	13.853	162	497716	41.384	ng/ul	98
45) 2-Nitroaniline	14.065	65	129251	48.604	ng/ul	92
47) Dimethylphthalate	14.411	163	714727	41.089	ng/ul	99
48) 2,6-Dinitrotoluene	14.552	165	114532	46.391	ng/ul#	94
50) Acenaphthylene	14.693	152	850458	41.212	ng/ul	98
51) 3-Nitroaniline	14.887	138	107361	43.154	ng/ul	98
52) Acenaphthene	15.028	153	559792	41.664	ng/ul	93
53) 2,4-Dinitrophenol	15.075	184	74166	35.512	ng/ul	97
55) 4-Nitrophenol	15.146	109	119889	42.407	ng/ul	97
56) Dibenzofuran	15.363	168	807160	40.243	ng/ul	97
57) 2,4-Dinitrotoluene	15.322	165	161206	45.263	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.563	232	232463	42.703	ng/ul#	96
59) Diethylphthalate	15.757	149	636132	40.690	ng/ul	99
61) Fluorene	16.009	166	677837	39.807	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.992	204	418873	41.005	ng/ul	92
63) 4-Nitroaniline	16.045	138	101232	42.950	ng/ul	92
66) 4,6-Dinitro-2-methylph...	16.074	198	114250	41.123	ng/ul#	94
67) N-Nitrosodiphenylamine	16.209	169	603475	42.216	ng/ul	98
68) 4-Bromophenyl-phenylether	16.891	248	292117	41.386	ng/ul	94
69) Hexachlorobenzene	16.979	284	330704	40.603	ng/ul	99
70) Atrazine	17.149	200	238001	41.470	ng/ul	94
71) Pentachlorophenol	17.325	266	202953	40.572	ng/ul	95
72) Phenanthrene	17.754	178	1138078	40.337	ng/ul	100
74) Anthracene	17.848	178	1162546	40.351	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.759	216	372478	44.129	ng/uL	95
76) Pentachlorobenzene	15.251	250	367823	43.239	ng/uL	95
77) Carbazole	18.119	167	896243	40.984	ng/ul	100
78) Di-n-butylphthalate	18.642	149	828173	42.128	ng/ul	96
80) Fluoranthene	19.746	202	1296710	38.539	ng/ul	99
82) Pyrene	20.110	202	1314579	39.006	ng/ul	98
83) Butylbenzylphthalate	20.980	149	266752	45.648	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.932	252	444805	42.659	ng/ul#	97
85) Benzo(a)anthracene	22.020	228	1322568	40.693	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.879	149	412605	45.263	ng/ul	98
87) Chrysene	22.096	228	1238589	40.682	ng/ul	96
89) Di-n-octyl phthalate	23.230	149	717113	41.456	ng/ul	100
90) Benzo(b)fluoranthene	24.470	252	1346928	40.379	ng/ul	99
91) Benzo(k)fluoranthene	24.546	252	1365675	40.689	ng/ul	98
93) Benzo(a)pyrene	25.463	252	1273735	40.810	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.787	276	1633275m	41.957	ng/ul	
95) Dibenzo(a,h)anthracene	29.881	278	1291506	40.816	ng/ul	98
96) Benzo(g,h,i)perylene	31.092	276	1294965m	41.846	ng/ul	

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

