

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090823\
 Data File : BG058920.D
 Acq On : 8 Sep 2023 14:47
 Operator : MA/JU
 Sample : SSTD08005
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080404

Quant Time: Sep 08 23:45:14 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	61332	20.000	ng/u1	0.00
20) Naphthalene-d8	11.181	136	272253	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.965	164	241575	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.715	188	622736	20.000	ng/u1	0.00
79) Chrysene-d12	22.045	240	495846	20.000	ng/u1	0.00
88) Perylene-d12	25.629	264	577679	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.643	96	38958	30.578	ng/uL	0.00
4) Pyridine-d5	4.078	84	353333	80.478	ng/u1	0.00
7) Phenol-d5	7.450	99	502076	82.536	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.662	67	280405	81.482	ng/u1	0.00
11) 2-Chlorophenol-d4	7.856	132	314382	86.641	ng/u1	0.00
15) 4-Methylphenol-d8	9.025	113	394618	83.701	ng/u1	0.00
21) Nitrobenzene-d5	9.542	128	162941	101.607	ng/u1	0.00
24) 2-Nitrophenol-d4	10.259	143	176550	100.500	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.782	165	444528	87.219	ng/u1	0.00
31) 4-Chloroaniline-d4	11.328	131	527162	80.633	ng/u1	0.00
46) Dimethylphthalate-d6	14.366	166	1471047	78.885	ng/u1	0.00
49) Acenaphthylene-d8	14.671	160	1604961	79.624	ng/u1	0.00
54) 4-Nitrophenol-d4	15.147	143	215450	87.447	ng/u1	0.03
60) Fluorene-d10	15.958	176	1390079	79.091	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.069	200	251526	88.716	ng/u1	0.02
73) Anthracene-d10	17.820	188	2231061	78.752	ng/u1	0.00
81) Pyrene-d10	20.088	212	2197378	76.413	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.388	264	2346583	82.461	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.678	88	45953	28.623	ng/uL	93
5) Pyridine	4.095	79	370478	79.201	ng/u1#	85
6) Benzaldehyde	7.485	77	266730	74.388	ng/u1	97
8) Phenol	7.480	94	512392	80.772	ng/u1#	89
10) Bis(2-Chloroethyl)ether	7.756	93	376993	80.129	ng/u1	98
12) 2-Chlorophenol	7.885	128	315043	86.111	ng/u1	97
13) 2-Methylphenol	8.755	108	390462	82.204	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.843	45	440134	81.284	ng/u1	95
16) Acetophenone	9.189	105	700317	83.308	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.166	70	386191	87.835	ng/u1#	97
18) 4-Methylphenol	9.095	108	434501	83.600	ng/u1	99
19) Hexachloroethane	9.424	117	127691	85.512	ng/u1	91
22) Nitrobenzene	9.583	77	530116	96.655	ng/u1#	96
23) Isophorone	10.106	82	1113623	81.380	ng/u1	98
25) 2-Nitrophenol	10.288	139	192128	101.392	ng/u1#	80
26) 2,4-Dimethylphenol	10.312	107	494694	83.970	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.576	93	566046	79.877	ng/u1#	89
29) 2,4-Dichlorophenol	10.811	162	422200	87.394	ng/u1	97
30) Naphthalene	11.234	128	1165321	79.235	ng/u1	99
32) 4-Chloroaniline	11.351	127	509765	82.209	ng/u1	97
33) Hexachlorobutadiene	11.469	225	381328	80.599	ng/u1	91
34) Caprolactam	12.174	113	121943m	74.434	ng/u1	
35) 4-Chloro-3-methylphenol	12.427	107	472709	83.281	ng/u1	95
36) 2-Methylnaphthalene	12.814	142	869849	78.128	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.032	142	890915	78.234	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.155	216	751604	83.382	ng/ul	95
40) Hexachlorocyclopentadiene	13.108	237	497595	76.702	ng/ul	100
41) 2,4,6-Trichlorophenol	13.396	196	460208	87.858	ng/ul	95
42) 2,4,5-Trichlorophenol	13.467	196	491198	87.312	ng/ul	96
43) 1,1'-Biphenyl	13.807	154	1319777	80.292	ng/ul	97
44) 2-Chloronaphthalene	13.860	162	1054322	80.425	ng/ul	96
45) 2-Nitroaniline	14.072	65	319858	110.349	ng/ul	93
47) Dimethylphthalate	14.418	163	1499051	79.063	ng/ul	98
48) 2,6-Dinitrotoluene	14.559	165	274631	102.053	ng/ul	96
50) Acenaphthylene	14.700	152	1744518	77.557	ng/ul	94
51) 3-Nitroaniline	14.894	138	237917	87.736	ng/ul	100
52) Acenaphthene	15.029	153	1155961	78.931	ng/ul	98
53) 2,4-Dinitrophenol	15.082	184	180886	79.459	ng/ul#	93
55) 4-Nitrophenol	15.165	109	282619	91.714	ng/ul	90
56) Dibenzofuran	15.364	168	1696131	77.582	ng/ul	99
57) 2,4-Dinitrotoluene	15.335	165	383430	98.770	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.570	232	524047	88.318	ng/ul#	98
59) Diethylphthalate	15.770	149	1357780	79.680	ng/ul	98
61) Fluorene	16.017	166	1405617	75.731	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.993	204	893599	80.254	ng/ul	92
63) 4-Nitroaniline	16.064	138	215196	83.763	ng/ul#	72
66) 4,6-Dinitro-2-methylph...	16.081	198	268043	90.054	ng/ul#	96
67) N-Nitrosodiphenylamine	16.216	169	1260887	82.332	ng/ul	99
68) 4-Bromophenyl-phenylether	16.892	248	626029	82.788	ng/ul#	88
69) Hexachlorobenzene	16.980	284	724916	83.076	ng/ul	96
70) Atrazine	17.156	200	496438	80.740	ng/ul	96
71) Pentachlorophenol	17.333	266	468407	87.402	ng/ul	97
72) Phenanthrene	17.762	178	2350868	77.773	ng/ul	98
74) Anthracene	17.856	178	2400163	77.760	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.760	216	811860	89.780	ng/uL	97
76) Pentachlorobenzene	15.259	250	797720	87.530	ng/uL	97
77) Carbazole	18.126	167	1806972	77.128	ng/ul	99
78) Di-n-butylphthalate	18.643	149	1723419	81.830	ng/ul#	96
80) Fluoranthene	19.747	202	2598326	74.346	ng/ul	100
82) Pyrene	20.118	202	2593898	74.097	ng/ul	99
83) Butylbenzylphthalate	20.987	149	589977	97.199	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.933	252	872644	80.572	ng/ul	98
85) Benzo(a)anthracene	22.027	228	2685872	79.560	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.880	149	910207	96.129	ng/ul	97
87) Chrysene	22.104	228	2522346	79.760	ng/ul	98
89) Di-n-octyl phthalate	23.232	149	1594186	88.366	ng/ul	100
90) Benzo(b)fluoranthene	24.477	252	2790613	80.216	ng/ul	99
91) Benzo(k)fluoranthene	24.560	252	2802409	80.059	ng/ul	98
93) Benzo(a)pyrene	25.476	252	2641069	81.136	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.806	276	3344552m	82.382	ng/ul	
95) Dibenzo(a,h)anthracene	29.900	278	2748195	83.278	ng/ul	98
96) Benzo(g,h,i)perylene	31.134	276	2625361	81.346	ng/ul	97

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

