

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101923\
 Data File : BG059488.D
 Acq On : 19 Oct 2023 11:52
 Operator : MA/JU
 Sample : SSTD04058
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040430

Quant Time: Oct 20 03:13:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 20 02:34:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.192	152	38702	20.000	ng/u1	0.00
20) Naphthalene-d8	11.030	136	190740	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.831	164	119495	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.581	188	281590	20.000	ng/u1	0.00
79) Chrysene-d12	21.876	240	267218	20.000	ng/u1	0.00
88) Perylene-d12	25.319	264	298339	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.480	96	21329m	17.288	ng/uL	0.00
4) Pyridine-d5	3.914	84	204648	48.577	ng/u1	0.00
7) Phenol-d5	7.316	99	192810	49.996	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.510	67	110295	49.894	ng/u1	0.00
11) 2-Chlorophenol-d4	7.704	132	139880	45.409	ng/u1	0.00
15) 4-Methylphenol-d8	8.885	113	142560	42.908	ng/u1	0.00
21) Nitrobenzene-d5	9.390	128	72452	38.923	ng/u1	0.00
24) 2-Nitrophenol-d4	10.107	143	79575	43.431	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.636	165	139959	41.289	ng/u1	0.00
31) 4-Chloroaniline-d4	11.176	131	211597	42.038	ng/u1	0.00
46) Dimethylphthalate-d6	14.226	166	582811	50.226	ng/u1	0.00
49) Acenaphthylene-d8	14.537	160	648945	48.579	ng/u1	0.00
54) 4-Nitrophenol-d4	15.025	143	83160	43.689	ng/u1	0.00
60) Fluorene-d10	15.818	176	404265	40.801	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.936	200	81929	43.261	ng/u1	0.00
73) Anthracene-d10	17.681	188	624625	40.282	ng/u1	0.00
81) Pyrene-d10	19.954	212	722499	41.207	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.084	264	714475	41.849	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.515	88	22067	15.560	ng/uL	92
5) Pyridine	3.932	79	215597	49.400	ng/u1	95
6) Benzaldehyde	7.334	77	91378	52.628	ng/u1	94
8) Phenol	7.346	94	188064	49.321	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.610	93	145153	44.097	ng/u1	95
12) 2-Chlorophenol	7.739	128	140224	45.148	ng/u1	93
13) 2-Methylphenol	8.621	108	142340	43.921	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.697	45	304040	41.446	ng/u1	98
16) Acetophenone	9.038	105	215942	43.053	ng/u1#	84
17) N-Nitroso-di-n-propyla...	9.002	70	105183	40.366	ng/u1	96
18) 4-Methylphenol	8.955	108	151891	43.356	ng/u1	97
19) Hexachloroethane	9.273	117	53125	41.577	ng/u1#	85
22) Nitrobenzene	9.431	77	156707	36.566	ng/u1	97
23) Isophorone	9.937	82	320637	39.007	ng/u1	96
25) 2-Nitrophenol	10.142	139	80070	41.519	ng/u1	92
26) 2,4-Dimethylphenol	10.166	107	152314	41.583	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.424	93	201764	39.494	ng/u1	100
29) 2,4-Dichlorophenol	10.665	162	138903	40.769	ng/u1	95
30) Naphthalene	11.082	128	483950	40.376	ng/u1	98
32) 4-Chloroaniline	11.206	127	203123	42.533	ng/u1#	89
33) Hexachlorobutadiene	11.312	225	87055	39.835	ng/u1	94
34) Caprolactam	11.981	113	44017m	40.861	ng/u1	
35) 4-Chloro-3-methylphenol	12.287	107	141711	42.315	ng/u1	99
36) 2-Methylnaphthalene	12.675	142	316651	40.028	ng/u1	97

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37) 1-Methylnaphthalene	12.892	142	317960	39.435	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.015	216	162931	40.467	ng/ul	94
40) Hexachlorocyclopentadiene	12.968	237	98932	44.081	ng/ul	98
41) 2,4,6-Trichlorophenol	13.262	196	107997	43.697	ng/ul	93
42) 2,4,5-Trichlorophenol	13.333	196	118203	41.820	ng/ul	93
43) 1,1'-Biphenyl	13.668	154	505253	45.129	ng/ul#	93
44) 2-Chloronaphthalene	13.720	162	419443	47.651	ng/ul	97
45) 2-Nitroaniline	13.938	65	178224	62.102	ng/ul	99
47) Dimethylphthalate	14.273	163	574405	50.139	ng/ul	99
48) 2,6-Dinitrotoluene	14.420	165	110285	48.904	ng/ul	93
50) Acenaphthylene	14.561	152	738546	51.346	ng/ul	98
51) 3-Nitroaniline	14.760	138	96536	44.411	ng/ul	81
52) Acenaphthene	14.896	153	373993	40.352	ng/ul	94
53) 2,4-Dinitrophenol	14.960	184	49820	43.551	ng/ul#	86
55) 4-Nitrophenol	15.042	109	56914	43.277	ng/ul	90
56) Dibenzofuran	15.230	168	512781	41.033	ng/ul	94
57) 2,4-Dinitrotoluene	15.201	165	132669	42.990	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.436	232	104756	41.367	ng/ul#	94
59) Diethylphthalate	15.618	149	420702	40.237	ng/ul	98
61) Fluorene	15.877	166	435865	41.668	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.859	204	210077	39.363	ng/ul	95
63) 4-Nitroaniline	15.924	138	94055	45.029	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.953	198	87405	43.519	ng/ul	98
67) N-Nitrosodiphenylamine	16.077	169	356064	40.926	ng/ul	94
68) 4-Bromophenyl-phenylether	16.758	248	127933	40.280	ng/ul	92
69) Hexachlorobenzene	16.846	284	146198	40.638	ng/ul#	88
70) Atrazine	17.011	200	135205	43.576	ng/ul	93
71) Pentachlorophenol	17.205	266	88510	44.181	ng/ul	92
72) Phenanthrene	17.622	178	736044	40.054	ng/ul	96
74) Anthracene	17.716	178	770947	40.751	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.626	216	169374	40.885	ng/ul	99
76) Pentachlorobenzene	15.125	250	162422	40.031	ng/ul	98
77) Carbazole	17.992	167	649929	42.864	ng/ul	95
78) Di-n-butylphthalate	18.497	149	761210	41.132	ng/ul	99
80) Fluoranthene	19.619	202	871305	40.295	ng/ul	99
82) Pyrene	19.984	202	924814	40.577	ng/ul	100
83) Butylbenzylphthalate	20.836	149	322352	40.748	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.770	252	308969	43.098	ng/ul#	96
85) Benzo(a)anthracene	21.852	228	879347	39.757	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.682	149	469597	40.686	ng/ul#	98
87) Chrysene	21.923	228	812647	39.305	ng/ul	99
89) Di-n-octyl phthalate	22.963	149	814135	45.167	ng/ul	100
90) Benzo(b)fluoranthene	24.202	252	904641	42.588	ng/ul	98
91) Benzo(k)fluoranthene	24.279	252	907440	41.320	ng/ul	99
93) Benzo(a)pyrene	25.160	252	839169	41.472	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	29.308	276	960226	41.602	ng/ul	94
95) Dibenzo(a,h)anthracene	29.373	278	777655	41.508	ng/ul	100
96) Benzo(g,h,i)perylene	30.565	276	777015m	40.054	ng/ul	

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

