

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021425\
 Data File : BG064027.D
 Acq On : 14 Feb 2025 10:44
 Operator : RC/JU
 Sample : SSTD04004
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040401

Quant Time: Feb 18 14:54:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG021425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 14 12:34:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/18/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.867	152	35700	20.000	ng/u1	0.00
20) Naphthalene-d8	10.651	136	161555	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.488	164	111903	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.232	188	248637	20.000	ng/u1	0.00
79) Chrysene-d12	21.468	240	282640	20.000	ng/u1	0.00
88) Perylene-d12	24.488	264	298267	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	17384	16.762	ng/uL	0.00
4) Pyridine-d5	3.742	84	122161	41.449	ng/u1	0.00
7) Phenol-d5	7.026	99	129090	40.013	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.197	67	89252	41.274	ng/u1	0.00
11) 2-Chlorophenol-d4	7.396	132	98206	43.086	ng/u1	0.00
15) 4-Methylphenol-d8	8.566	113	107398	39.096	ng/u1	0.00
21) Nitrobenzene-d5	9.012	128	45663	47.983	ng/u1	0.00
24) 2-Nitrophenol-d4	9.735	143	36016	44.992	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.270	165	103716	44.771	ng/u1	0.00
31) 4-Chloroaniline-d4	10.781	131	152186	39.938	ng/u1	0.00
46) Dimethylphthalate-d6	13.901	166	348160	41.296	ng/u1	0.00
49) Acenaphthylene-d8	14.183	160	399868	40.722	ng/u1	0.00
54) 4-Nitrophenol-d4	14.676	143	55682	41.971	ng/u1	0.00
60) Fluorene-d10	15.481	176	304144	39.751	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.593	200	36137	40.715	ng/u1	0.00
73) Anthracene-d10	17.332	188	499101	41.014	ng/u1	0.00
81) Pyrene-d10	19.617	212	596532	40.096	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.283	264	634764	42.023	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.372	88	18222	15.847	ng/uL	90
5) Pyridine	3.760	79	124396	40.974	ng/u1	98
6) Benzaldehyde	7.003	77	83111	43.648	ng/u1	98
8) Phenol	7.050	94	138538	40.102	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.291	93	112058	41.416	ng/u1	96
12) 2-Chlorophenol	7.432	128	103100	42.624	ng/u1	92
13) 2-Methylphenol	8.301	108	104057	39.673	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.384	45	263648	40.592	ng/u1#	97
16) Acetophenone	8.683	105	185016	39.973	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.671	70	96340	40.563	ng/u1	97
18) 4-Methylphenol	8.630	108	115513	39.719	ng/u1	99
19) Hexachloroethane	8.948	117	42276	42.117	ng/u1	87
22) Nitrobenzene	9.059	77	130570	45.056	ng/u1	96
23) Isophorone	9.582	82	269511	40.894	ng/u1	96
25) 2-Nitrophenol	9.764	139	42463	47.852	ng/u1	96
26) 2,4-Dimethylphenol	9.829	107	121811	42.556	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.070	93	155680	40.778	ng/u1	99
29) 2,4-Dichlorophenol	10.299	162	95163	43.517	ng/u1	96
30) Naphthalene	10.704	128	363394	40.704	ng/u1	98
32) 4-Chloroaniline	10.810	127	145395	39.158	ng/u1	100
33) Hexachlorobutadiene	10.998	225	73425	40.548	ng/u1	96
34) Caprolactam	11.562	113	37977m	37.131	ng/u1	
35) 4-Chloro-3-methylphenol	11.932	107	120641	41.784	ng/u1	100
36) 2-Methylnaphthalene	12.314	142	262260	40.828	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.532	142	264997	40.577	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.684	216	141653	41.538	ng/ul	91
40) Hexachlorocyclopentadiene	12.667	237	59671	43.695	ng/ul	87
41) 2,4,6-Trichlorophenol	12.919	196	83117	46.219	ng/ul#	96
42) 2,4,5-Trichlorophenol	12.984	196	86826	43.086	ng/ul	99
43) 1,1'-Biphenyl	13.325	154	350689	40.232	ng/ul	97
44) 2-Chloronaphthalene	13.366	162	264333	40.666	ng/ul	97
45) 2-Nitroaniline	13.560	65	76762	44.992	ng/ul	99
47) Dimethylphthalate	13.954	163	335736	40.695	ng/ul	98
48) 2,6-Dinitrotoluene	14.065	165	56683	45.794	ng/ul	92
50) Acenaphthylene	14.212	152	408513	40.284	ng/ul	99
51) 3-Nitroaniline	14.388	138	59645	43.009	ng/ul	98
52) Acenaphthene	14.553	153	301846	40.429	ng/ul	95
53) 2,4-Dinitrophenol	14.588	184	20450m	35.807	ng/ul	
55) 4-Nitrophenol	14.694	109	53049	40.069	ng/ul	93
56) Dibenzofuran	14.888	168	416647	39.908	ng/ul	100
57) 2,4-Dinitrotoluene	14.847	165	83049	45.686	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.111	232	74841	43.880	ng/ul#	95
59) Diethylphthalate	15.317	149	351589	41.616	ng/ul	98
61) Fluorene	15.540	166	334664	39.650	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.534	204	164859	38.999	ng/ul	96
63) 4-Nitroaniline	15.552	138	60866	41.585	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.610	198	41342	41.341	ng/ul#	89
67) N-Nitrosodiphenylamine	15.746	169	286756	41.095	ng/ul	97
68) 4-Bromophenyl-phenylether	16.427	248	105497	40.192	ng/ul	96
69) Hexachlorobenzene	16.539	284	120974	40.527	ng/ul	95
70) Atrazine	16.697	200	122769	44.088	ng/ul	96
71) Pentachlorophenol	16.879	266	63388	42.726	ng/ul	94
72) Phenanthrene	17.273	178	559401	40.446	ng/ul	98
74) Anthracene	17.367	178	562436	40.048	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.290	216	139770	42.164	ng/ul	98
76) Pentachlorobenzene	14.811	250	149422	41.820	ng/ul	98
77) Carbazole	17.632	167	507160	42.446	ng/ul	98
78) Di-n-butylphthalate	18.207	149	621389	45.848	ng/ul	99
80) Fluoranthene	19.283	202	665113	39.564	ng/ul	99
82) Pyrene	19.647	202	727376	39.410	ng/ul	98
83) Butylbenzylphthalate	20.546	149	237135	45.894	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.368	252	237639	44.827	ng/ul	98
85) Benzo(a)anthracene	21.445	228	764748	40.673	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.386	149	387939	45.684	ng/ul	99
87) Chrysene	21.509	228	746222	40.056	ng/ul	99
89) Di-n-octyl phthalate	22.538	149	633492	41.611	ng/ul	100
90) Benzo(b)fluoranthene	23.536	252	729528	41.400	ng/ul	99
91) Benzo(k)fluoranthene	23.601	252	771374	41.493	ng/ul	97
93) Benzo(a)pyrene	24.353	252	697298	41.196	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.896	276	855063	41.934	ng/ul	96
95) Dibenzo(a,h)anthracene	27.961	278	683871	41.418	ng/ul	95
96) Benzo(g,h,i)perylene	28.959	276	668352m	41.540	ng/ul	

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

