

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG058988.D
 Acq On : 11 Sep 2023 18:13
 Operator : MA/JU
 Sample : 04234-04MSD
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YBY14MSD

Quant Time: Sep 12 01:37:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 11 00:07:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/12/2023
 Supervised By :mohammad ahmed 09/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	87435	20.000	ng/u1	0.00
20) Naphthalene-d8	11.168	136	418034	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.951	164	296095	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.701	188	726641	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.025	240	675804	20.000	ng/u1	0.00
88) Perylene-d12	25.592	264	757539	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.641	96	13551	6.588	ng/uL	0.00
4) Pyridine-d5	4.070	84	40787	6.263	ng/u1	0.00
7) Phenol-d5	7.437	99	295667	33.534	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.648	67	166761	32.255	ng/u1	0.00
11) 2-Chlorophenol-d4	7.842	132	194925	34.470	ng/u1	0.00
15) 4-Methylphenol-d8	9.011	113	222261	32.628	ng/u1	0.00
21) Nitrobenzene-d5	9.522	128	105656	34.844	ng/u1	0.00
24) 2-Nitrophenol-d4	10.239	143	119367	35.876	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.762	165	247664	35.024	ng/u1	0.00
31) 4-Chloroaniline-d4	11.309	131	134767	14.172	ng/u1	0.00
46) Dimethylphthalate-d6	14.346	166	723830	31.515	ng/u1	0.00
49) Acenaphthylene-d8	14.652	160	804574	31.458	ng/u1	0.00
54) 4-Nitrophenol-d4	15.116	143	128324	33.636	ng/u1	0.00
60) Fluorene-d10	15.938	176	655105	32.140	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.044	200	119056	33.379	ng/u1	0.00
73) Anthracene-d10	17.801	188	1030644	31.951	ng/u1	0.00
81) Pyrene-d10	20.069	212	1201349	33.558	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.345	264	1237977	33.337	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.676	88	39735	14.992	ng/uL	97
5) Pyridine	4.094	79	258090	37.114	ng/u1	99
6) Benzaldehyde	7.472	77	204349	37.899	ng/u1	86
8) Phenol	7.466	94	415062	44.268	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.742	93	284614	41.532	ng/u1	90
12) 2-Chlorophenol	7.871	128	259755	44.440	ng/u1	97
13) 2-Methylphenol	8.741	108	308939	43.760	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.829	45	356277m	43.296	ng/u1	
16) Acetophenone	9.170	105	498919	44.177	ng/u1	96
17) N-Nitroso-di-n-propyla...	9.135	70	268630	42.433	ng/u1#	96
18) 4-Methylphenol	9.076	108	337016	43.710	ng/u1	94
19) Hexachloroethane	9.411	117	111633	45.569	ng/u1	91
22) Nitrobenzene	9.569	77	384746	42.384	ng/u1	95
23) Isophorone	10.075	82	789127	40.924	ng/u1	99
25) 2-Nitrophenol	10.275	139	162401	47.869	ng/u1	94
26) 2,4-Dimethylphenol	10.292	107	267262	31.787	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.557	93	428707	41.482	ng/u1	98
29) 2,4-Dichlorophenol	10.792	162	288100	43.008	ng/u1	92
30) Naphthalene	11.220	128	943097	42.799	ng/u1	98
32) 4-Chloroaniline	11.338	127	294859	32.297	ng/u1	95
33) Hexachlorobutadiene	11.450	225	205488	39.205	ng/u1	94
34) Caprolactam	12.125	113	101640m	42.753	ng/u1	
35) 4-Chloro-3-methylphenol	12.401	107	363171	44.126	ng/u1	96
36) 2-Methylnaphthalene	12.801	142	666313	40.523	ng/u1	98

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37) 1-Methylnaphthalene	13.018	142	642081	39.589	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.142	216	388046	40.149	ng/ul#	90
40) Hexachlorocyclopentadiene	13.095	237	215016	30.234	ng/ul#	97
41) 2,4,6-Trichlorophenol	13.383	196	247764	40.379	ng/ul	94
42) 2,4,5-Trichlorophenol	13.447	196	276412	41.611	ng/ul	96
43) 1,1'-Biphenyl	13.788	154	931117	42.068	ng/ul	98
44) 2-Chloronaphthalene	13.841	162	718591	42.509	ng/ul	97
45) 2-Nitroaniline	14.052	65	248508	47.933	ng/ul	93
47) Dimethylphthalate	14.393	163	913276	42.055	ng/ul	99
48) 2,6-Dinitrotoluene	14.534	165	191955	46.468	ng/ul	100
50) Acenaphthylene	14.681	152	1117543	40.078	ng/ul	98
51) 3-Nitroaniline	14.875	138	187834	47.382	ng/ul#	89
52) Acenaphthene	15.016	153	773452	41.335	ng/ul	98
53) 2,4-Dinitrophenol	15.063	184	122861	46.143	ng/ul	99
55) 4-Nitrophenol	15.139	109	194562	43.224	ng/ul	91
56) Dibenzofuran	15.345	168	1137462	41.968	ng/ul	98
57) 2,4-Dinitrotoluene	15.310	165	277630	48.706	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.551	232	255816	40.317	ng/ul#	93
59) Diethylphthalate	15.745	149	911957	42.595	ng/ul	96
61) Fluorene	15.997	166	932811	41.876	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.974	204	478024	40.555	ng/ul	99
63) 4-Nitroaniline	16.038	138	191616	51.001	ng/ul	90
66) 4,6-Dinitro-2-methylph...	16.062	198	171290	44.001	ng/ul	96
67) N-Nitrosodiphenylamine	16.197	169	794007	41.455	ng/ul	98
68) 4-Bromophenyl-phenylether	16.873	248	331031	41.527	ng/ul	97
69) Hexachlorobenzene	16.961	284	362720	39.637	ng/ul	98
70) Atrazine	17.131	200	178834	23.859	ng/ul	97
71) Pentachlorophenol	17.319	266	213103	37.779	ng/ul	94
72) Phenanthrene	17.742	178	1542970	41.839	ng/ul	99
74) Anthracene	17.836	178	1529249	40.799	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.747	216	41098	3.920	ng/uL#	89
76) Pentachlorobenzene	15.239	250	425768	42.018	ng/uL	98
77) Carbazole	18.107	167	1382287	44.039	ng/ul	97
78) Di-n-butylphthalate	18.618	149	1557820	44.770	ng/ul	99
80) Fluoranthene	19.734	202	1823130	43.854	ng/ul	98
82) Pyrene	20.098	202	1871094	43.294	ng/ul	96
83) Butylbenzylphthalate	20.962	149	673452	49.311	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.914	252	577651	38.526	ng/ul#	90
85) Benzo(a)anthracene	22.002	228	1877036	41.416	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.843	149	963081	47.086	ng/ul	100
87) Chrysene	22.078	228	1781413	42.282	ng/ul	98
89) Di-n-octyl phthalate	23.177	149	1661804	47.687	ng/ul	100
90) Benzo(b)fluoranthene	24.440	252	1996470	44.242	ng/ul	99
91) Benzo(k)fluoranthene	24.517	252	1957498m	42.447	ng/ul	
93) Benzo(a)pyrene	25.421	252	1747534	41.506	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.734	276	2303814m	43.305	ng/ul	
95) Dibenzo(a,h)anthracene	29.822	278	1872290	42.473	ng/ul	99
96) Benzo(g,h,i)perylene	31.050	276	1814912	43.101	ng/ul	98

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

