

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058472.D
 Acq On : 26 Jul 2023 10:07
 Operator : CG/JU
 Sample : 03534-24MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4737MSD

Quant Time: Jul 26 10:54:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	67152	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	277516	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.462	164	172536	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	355046	20.000	ng/u1	0.00
79) Chrysene-d12	21.448	240	304997	20.000	ng/u1	0.00
88) Perylene-d12	24.521	264	389328	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	10290	5.640	ng/uL	0.00
4) Pyridine-d5	3.651	84	125926	23.253	ng/u1	0.00
7) Phenol-d5	6.989	99	195633	30.710	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.147	67	123218	30.947	ng/u1	0.00
11) 2-Chlorophenol-d4	7.347	132	145047	32.528	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	116246	23.924	ng/u1	0.00
21) Nitrobenzene-d5	8.980	128	73378	35.275	ng/u1	0.00
24) 2-Nitrophenol-d4	9.703	143	83685	36.851	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	149658	34.378	ng/u1	0.00
31) 4-Chloroaniline-d4	10.755	131	99210	15.720	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	431326	32.419	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	487349	34.953	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	60870m	30.294	ng/u1	0.00
60) Fluorene-d10	15.455	176	369023	33.501	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.584	200	59090	32.666	ng/u1	0.00
73) Anthracene-d10	17.306	188	527622	34.393	ng/u1	0.00
81) Pyrene-d10	19.597	212	677460	37.607	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	682186	36.253	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	28031	13.545	ng/uL#	93
5) Pyridine	3.669	79	130931	22.894	ng/u1	96
6) Benzaldehyde	6.953	77	157174m	61.094	ng/u1	
8) Phenol	7.012	94	226184	34.190	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.241	93	177339	34.992	ng/u1	99
12) 2-Chlorophenol	7.382	128	163653	35.061	ng/u1	98
13) 2-Methylphenol	8.264	108	132866	25.769	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.346	45	285573m	34.385	ng/u1	
16) Acetophenone	8.640	105	280381	33.883	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.622	70	142659	31.500	ng/u1	98
18) 4-Methylphenol	8.593	108	156257	27.886	ng/u1	96
19) Hexachloroethane	8.892	117	67995	36.957	ng/u1	89
22) Nitrobenzene	9.022	77	202914	36.579	ng/u1	98
23) Isophorone	9.539	82	407464	32.763	ng/u1	99
25) 2-Nitrophenol	9.732	139	94895	39.121	ng/u1	95
26) 2,4-Dimethylphenol	9.791	107	19049	3.522	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.026	93	239573	36.373	ng/u1	99
29) 2,4-Dichlorophenol	10.267	162	151975	36.781	ng/u1	97
30) Naphthalene	10.667	128	547095	36.882	ng/u1	100
32) 4-Chloroaniline	10.778	127	112864	17.498	ng/u1	98
33) Hexachlorobutadiene	10.949	225	119216	40.350	ng/u1	98
34) Caprolactam	11.548	113	50578m	29.472	ng/u1	
35) 4-Chloro-3-methylphenol	11.912	107	170674	32.458	ng/u1	96
36) 2-Methylnaphthalene	12.282	142	354655	35.686	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.500	142	350977	34.458	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.653	216	212701	42.586	ng/ul	98
40) Hexachlorocyclopentadiene	12.623	237	55359	20.608	ng/ul	99
41) 2,4,6-Trichlorophenol	12.893	196	135012	39.932	ng/ul	98
42) 2,4,5-Trichlorophenol	12.976	196	147254	40.843	ng/ul	99
43) 1,1'-Biphenyl	13.293	154	456068	39.091	ng/ul	98
44) 2-Chloronaphthalene	13.340	162	370429	39.934	ng/ul	98
45) 2-Nitroaniline	13.546	65	121745	37.784	ng/ul	98
47) Dimethylphthalate	13.916	163	564287	42.225	ng/ul	98
48) 2,6-Dinitrotoluene	14.045	165	101837	39.434	ng/ul	95
50) Acenaphthylene	14.186	152	553245	36.760	ng/ul	99
51) 3-Nitroaniline	14.374	138	78786	36.608	ng/ul	90
52) Acenaphthene	14.527	153	401980	38.469	ng/ul	99
53) 2,4-Dinitrophenol	14.586	184	38703	28.160	ng/ul	96
55) 4-Nitrophenol	14.691	109	51948	33.570	ng/ul	95
56) Dibenzofuran	14.862	168	555459	37.332	ng/ul	99
57) 2,4-Dinitrotoluene	14.832	165	138621	37.217	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.091	232	121590	36.502	ng/ul#	98
59) Diethylphthalate	15.279	149	466589	33.891	ng/ul	99
61) Fluorene	15.514	166	437085	35.822	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.502	204	236582	36.523	ng/ul	98
63) 4-Nitroaniline	15.537	138	74814m	38.418	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.596	198	70578	37.924	ng/ul	99
67) N-Nitrosodiphenylamine	15.720	169	345794	39.290	ng/ul	99
68) 4-Bromophenyl-phenylether	16.395	248	157520	41.886	ng/ul	97
69) Hexachlorobenzene	16.513	284	178889	42.157	ng/ul	96
70) Atrazine	16.666	200	113267	32.826	ng/ul	98
71) Pentachlorophenol	16.859	266	85313	35.816	ng/ul	95
72) Phenanthrene	17.253	178	782585	46.382	ng/ul	97
74) Anthracene	17.341	178	661586	39.058	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.258	216	208270	46.766	ng/uL	97
76) Pentachlorobenzene	14.785	250	210072	43.136	ng/uL	97
77) Carbazole	17.611	167	607977	41.406	ng/ul	99
78) Di-n-butylphthalate	18.164	149	790880	42.389	ng/ul	98
80) Fluoranthene	19.268	202	1025474	49.691	ng/ul	99
82) Pyrene	19.627	202	1026627	49.097	ng/ul	99
83) Butylbenzylphthalate	20.514	149	365321	44.368	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.348	252	128473	18.870	ng/ul#	99
85) Benzo(a)anthracene	21.431	228	943983	46.047	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.337	149	554616	47.357	ng/ul	98
87) Chrysene	21.495	228	903980	46.489	ng/ul	98
89) Di-n-octyl phthalate	22.482	149	929214	44.857	ng/ul	100
90) Benzo(b)fluoranthene	23.546	252	1034976	45.946	ng/ul	98
91) Benzo(k)fluoranthene	23.610	252	906057	40.329	ng/ul	99
93) Benzo(a)pyrene	24.380	252	843854	42.118	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.011	276	1158711m	43.895	ng/ul	
95) Dibenzo(a,h)anthracene	28.076	278	914589	42.251	ng/ul	99
96) Benzo(g,h,i)perylene	29.110	276	860309	40.001	ng/ul	98

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

