

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071524\
 Data File : BG062081.D
 Acq On : 15 Jul 2024 23:29
 Operator : MA/JU
 Sample : PB161886BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS886

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 16 00:17:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	45644	20.000	ng/u1	0.01
20) Naphthalene-d8	10.861	136	209412	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.680	164	144308	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.430	188	315951	20.000	ng/u1	# 0.01
79) Chrysene-d12	21.696	240	281074	20.000	ng/u1	# 0.02
88) Perylene-d12	24.915	264	332233m	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.440	96	6158	5.070	ng/uL	0.00
4) Pyridine-d5	3.863	84	80665	21.599	ng/u1	0.00
7) Phenol-d5	7.224	99	137849	27.597	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.371	67	72886	23.042	ng/u1	0.01
11) 2-Chlorophenol-d4	7.583	132	96209	28.079	ng/u1	0.01
15) 4-Methylphenol-d8	8.770	113	104966	26.689	ng/u1	0.02
21) Nitrobenzene-d5	9.222	128	50435	31.667	ng/u1	0.01
24) 2-Nitrophenol-d4	9.939	143	60667	33.356	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.491	165	122983	35.057	ng/u1	0.02
31) 4-Chloroaniline-d4	11.002	131	141912	27.863	ng/u1	0.02
46) Dimethylphthalate-d6	14.081	166	363551	30.643	ng/u1	0.00
49) Acenaphthylene-d8	14.381	160	406133	32.738	ng/u1	0.01
54) 4-Nitrophenol-d4	14.909	143	54326	28.674	ng/u1	0.04
60) Fluorene-d10	15.673	176	312501	31.289	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.797	200	52604	31.702	ng/u1	0.02
73) Anthracene-d10	17.530	188	467803	31.713	ng/u1	0.01
81) Pyrene-d10	19.810	212	515144	31.160	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.698	264	555847	33.735	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.476	88	11220	8.369	ng/uL#	79
5) Pyridine	3.887	79	80317	20.969	ng/u1	86
6) Benzaldehyde	7.189	77	75652	28.616	ng/u1	93
8) Phenol	7.254	94	136475	26.686	ng/u1#	87
10) Bis(2-Chloroethyl)ether	7.465	93	89286	22.727	ng/u1	98
12) 2-Chlorophenol	7.612	128	97202	27.845	ng/u1	95
13) 2-Methylphenol	8.505	108	92028	25.212	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.570	45	181205	21.112	ng/u1#	96
16) Acetophenone	8.875	105	165353	25.453	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.858	70	81458	22.397	ng/u1	90
18) 4-Methylphenol	8.834	108	106756	26.116	ng/u1	91
19) Hexachloroethane	9.128	117	43146	28.492	ng/u1#	81
22) Nitrobenzene	9.263	77	136257	30.139	ng/u1	99
23) Isophorone	9.786	82	249613	24.439	ng/u1#	97
25) 2-Nitrophenol	9.974	139	59749	32.213	ng/u1#	89
26) 2,4-Dimethylphenol	10.033	107	99711	22.462	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.262	93	135941	24.169	ng/u1	99
29) 2,4-Dichlorophenol	10.520	162	109121	33.114	ng/u1	97
30) Naphthalene	10.914	128	341465	29.685	ng/u1	96
32) 4-Chloroaniline	11.026	127	124588	24.930	ng/u1	94
33) Hexachlorobutadiene	11.178	225	89745	36.191	ng/u1	94
34) Caprolactam	11.825	113	35843m	27.762	ng/u1	
35) 4-Chloro-3-methylphenol	12.160	107	139540	31.794	ng/u1	96
36) 2-Methylnaphthalene	12.512	142	250525	30.062	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.735	142	249086	28.762	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.876	216	153717	35.471	ng/ul	96
40) Hexachlorocyclopentadiene	12.847	237	16193	5.613	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.123	196	89955	31.252	ng/ul	91
42) 2,4,5-Trichlorophenol	13.205	196	101142	31.988	ng/ul#	85
43) 1,1'-Biphenyl	13.517	154	343192	30.866	ng/ul	97
44) 2-Chloronaphthalene	13.564	162	261264	31.309	ng/ul	93
45) 2-Nitroaniline	13.770	65	113977	34.107	ng/ul	96
47) Dimethylphthalate	14.134	163	335818	29.428	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	74300	34.321	ng/ul	99
50) Acenaphthylene	14.410	152	409726	30.092	ng/ul	98
51) 3-Nitroaniline	14.598	138	69464	32.964	ng/ul#	97
52) Acenaphthene	14.745	153	286003	30.420	ng/ul	98
53) 2,4-Dinitrophenol	14.804	184	25944	22.939	ng/ul#	83
55) 4-Nitrophenol	14.927	109	80291	37.130	ng/ul#	79
56) Dibenzofuran	15.080	168	404620	30.450	ng/ul	92
57) 2,4-Dinitrotoluene	15.050	165	109237	34.408	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.309	232	85363	29.898	ng/ul#	95
59) Diethylphthalate	15.491	149	357280	29.054	ng/ul	94
61) Fluorene	15.732	166	333344	29.499	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.714	204	176023	31.011	ng/ul	95
63) 4-Nitroaniline	15.755	138	73268	34.266	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.814	198	56145	31.440	ng/ul#	90
67) N-Nitrosodiphenylamine	15.932	169	282358	32.724	ng/ul	99
68) 4-Bromophenyl-phenylether	16.613	248	120540	33.629	ng/ul	97
69) Hexachlorobenzene	16.725	284	147552	35.800	ng/ul	96
70) Atrazine	16.884	200	55903	16.412	ng/ul	96
71) Pentachlorophenol	17.077	266	51360	22.670	ng/ul	94
72) Phenanthrene	17.471	178	506093	30.379	ng/ul	99
74) Anthracene	17.565	178	499915	29.037	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.482	216	149150	38.009	ng/ul	94
76) Pentachlorobenzene	14.998	250	165498	36.977	ng/ul	94
77) Carbazole	17.835	167	456994	31.540	ng/ul	99
78) Di-n-butylphthalate	18.376	149	554843	29.826	ng/ul	99
80) Fluoranthene	19.475	202	580141	29.652	ng/ul#	91
82) Pyrene	19.839	202	602400	29.806	ng/ul#	91
83) Butylbenzylphthalate	20.708	149	246467	29.058	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.584	252	210609	31.496	ng/ul	100
85) Benzo(a)anthracene	21.672	228	629411	30.928	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.560	149	348208	28.609	ng/ul	97
87) Chrysene	21.737	228	582707	30.586	ng/ul	100
89) Di-n-octyl phthalate	22.771	149	613947	30.248	ng/ul	100
90) Benzo(b)fluoranthene	23.887	252	648965	31.004	ng/ul#	95
91) Benzo(k)fluoranthene	23.958	252	688080	32.965	ng/ul#	93
93) Benzo(a)pyrene	24.768	252	564522	28.481	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.599	276	709584m	28.014	ng/ul	
95) Dibenzo(a,h)anthracene	28.670	278	588348m	28.124	ng/ul	
96) Benzo(g,h,i)perylene	29.757	276	473076m	23.476	ng/ul	

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

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