

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061808.D
 Acq On : 1 Jul 2024 12:04
 Operator : MA/JU
 Sample : P2871-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4C66MS

Quant Time: Jul 01 12:59:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 12:23:53 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	74045	20.000	ng/u1	0.00
20) Naphthalene-d8	10.868	136	348523	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.681	164	229089	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.425	188	496818	20.000	ng/u1	0.00
79) Chrysene-d12	21.690	240	376699	20.000	ng/u1	0.00
88) Perylene-d12	24.904	264	442652	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.459	96	10045	4.901	ng/uL	0.00
4) Pyridine-d5	3.870	84	104040	16.788	ng/u1	0.00
7) Phenol-d5	7.202	99	236506	29.422	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.378	67	139839m	27.907	ng/u1	0.00
11) 2-Chlorophenol-d4	7.583	132	162064	29.380	ng/u1	0.00
15) 4-Methylphenol-d8	8.759	113	170527	27.442	ng/u1	0.00
21) Nitrobenzene-d5	9.217	128	86912	36.727	ng/u1	0.00
24) 2-Nitrophenol-d4	9.939	143	98519	41.105	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.480	165	183680	32.365	ng/u1	0.00
31) 4-Chloroaniline-d4	11.003	131	183459	21.352	ng/u1	0.00
46) Dimethylphthalate-d6	14.088	166	563250	31.950	ng/u1	0.00
49) Acenaphthylene-d8	14.381	160	630279	32.623	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	85434	28.217	ng/u1	0.01
60) Fluorene-d10	15.674	176	493823	31.997	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.786	200	70686	33.273	ng/u1	0.00
73) Anthracene-d10	17.525	188	741754	32.708	ng/u1	0.00
81) Pyrene-d10	19.804	212	673647	32.015	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.681	264	473893	22.415	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.494	88	31515	12.372	ng/uL	91
5) Pyridine	3.894	79	67932	10.197	ng/u1	86
6) Benzaldehyde	7.190	77	105656	26.711	ng/u1	93
8) Phenol	7.231	94	316215	37.383	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.472	93	217365	34.141	ng/u1	92
12) 2-Chlorophenol	7.619	128	215840	39.002	ng/u1	98
13) 2-Methylphenol	8.494	108	198057	33.465	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.576	45	479755	36.883	ng/u1	98
16) Acetophenone	8.882	105	357150	34.904	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.864	70	186740	33.974	ng/u1	95
18) 4-Methylphenol	8.823	108	266798	40.239	ng/u1	99
19) Hexachloroethane	9.140	117	67684	30.503	ng/u1	88
22) Nitrobenzene	9.264	77	282636	41.459	ng/u1#	94
23) Isophorone	9.787	82	562261	35.863	ng/u1	99
25) 2-Nitrophenol	9.975	139	123704	49.358	ng/u1#	71
26) 2,4-Dimethylphenol	10.028	107	107645	15.357	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.269	93	330490	37.263	ng/u1	96
29) 2,4-Dichlorophenol	10.509	162	218138	41.952	ng/u1	99
30) Naphthalene	10.921	128	735214	37.701	ng/u1	99
32) 4-Chloroaniline	11.021	127	200421	23.519	ng/u1	92
33) Hexachlorobutadiene	11.191	225	157684	43.902	ng/u1	96
34) Caprolactam	11.790	113	62155m	28.908	ng/u1	
35) 4-Chloro-3-methylphenol	12.137	107	266399	36.638	ng/u1	92
36) 2-Methylnaphthalene	12.519	142	529034	38.447	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.736	142	531585	36.207	ng/ul#	90
39) 1,2,4,5-Tetrachloroben...	12.877	216	279300	43.079	ng/ul	96
40) Hexachlorocyclopentadiene	12.860	237	73552	19.067	ng/ul	96
41) 2,4,6-Trichlorophenol	13.118	196	182465	43.620	ng/ul	91
42) 2,4,5-Trichlorophenol	13.189	196	196468	43.091	ng/ul	88
43) 1,1'-Biphenyl	13.524	154	691498	41.670	ng/ul	96
44) 2-Chloronaphthalene	13.565	162	529874	41.569	ng/ul	99
45) 2-Nitroaniline	13.764	65	223428	51.202	ng/ul	92
47) Dimethylphthalate	14.135	163	661797	37.804	ng/ul	99
48) 2,6-Dinitrotoluene	14.258	165	146617	50.471	ng/ul#	95
50) Acenaphthylene	14.411	152	818206	37.939	ng/ul	99
51) 3-Nitroaniline	14.587	138	134696	45.277	ng/ul#	92
52) Acenaphthene	14.751	153	574822	38.487	ng/ul	95
53) 2,4-Dinitrophenol	14.793	184	56080	37.989	ng/ul	88
55) 4-Nitrophenol	14.887	109	125086	40.007	ng/ul	93
56) Dibenzofuran	15.081	168	835973	39.998	ng/ul	93
57) 2,4-Dinitrotoluene	15.045	165	209971	48.694	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.304	232	168718	37.739	ng/ul#	95
59) Diethylphthalate	15.498	149	684632	37.972	ng/ul	95
61) Fluorene	15.733	166	678990	39.255	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.721	204	333143	38.798	ng/ul	94
63) 4-Nitroaniline	15.750	138	137866	43.744	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.803	198	102379	42.546	ng/ul#	90
67) N-Nitrosodiphenylamine	15.932	169	559292	43.533	ng/ul	96
68) 4-Bromophenyl-phenylether	16.614	248	227976	44.567	ng/ul	97
69) Hexachlorobenzene	16.726	284	207273	33.389	ng/ul	96
70) Atrazine	16.878	200	162608	31.687	ng/ul	98
71) Pentachlorophenol	17.072	266	122197	32.315	ng/ul	94
72) Phenanthrene	17.472	178	1179328	45.120	ng/ul	99
74) Anthracene	17.560	178	1061955	39.732	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.482	216	292037	52.760	ng/ul	97
76) Pentachlorobenzene	14.998	250	261692	39.369	ng/ul	97
77) Carbazole	17.830	167	825056	36.355	ng/ul	98
78) Di-n-butylphthalate	18.388	149	1153431	42.495	ng/ul	98
80) Fluoranthene	19.475	202	1434257	58.746	ng/ul	99
82) Pyrene	19.840	202	1173105	45.189	ng/ul#	94
83) Butylbenzylphthalate	20.721	149	475350	50.291	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.585	252	251521	31.578	ng/ul	96
85) Benzo(a)anthracene	21.673	228	1210950	45.796	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.579	149	684881	49.295	ng/ul	99
87) Chrysene	21.737	228	1163112	46.487	ng/ul	99
89) Di-n-octyl phthalate	22.795	149	1156200	49.523	ng/ul	100
90) Benzo(b)fluoranthene	23.888	252	1243449	46.730	ng/ul	96
91) Benzo(k)fluoranthene	23.952	252	1188064	43.414	ng/ul	99
93) Benzo(a)pyrene	24.752	252	585529	22.857	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.571	276	1104725m	34.607	ng/ul	
95) Dibenzo(a,h)anthracene	28.653	278	1129935	42.568	ng/ul	98
96) Benzo(g,h,i)perylene	29.705	276	118542m	4.607	ng/ul	

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

