

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058460.D
 Acq On : 26 Jul 2023 00:30
 Operator : CG/JU
 Sample : 03540-07MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4738MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 26 02:48:33 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	48644	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	204016	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	134445	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	303360	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	253560	20.000	ng/u1	0.00
88) Perylene-d12	24.516	264	297805	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.241	96	4953	3.748	ng/uL	0.00
4) Pyridine-d5	3.652	84	65347	16.658	ng/u1	0.00
7) Phenol-d5	6.989	99	89263	19.344	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.142	67	65346	22.657	ng/u1	0.00
11) 2-Chlorophenol-d4	7.348	132	69309	21.457	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	15641	4.444	ng/u1	0.00
21) Nitrobenzene-d5	8.981	128	35751	23.379	ng/u1	0.00
24) 2-Nitrophenol-d4	9.698	143	40742	24.404	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.244	165	67369	21.050	ng/u1	0.00
31) 4-Chloroaniline-d4	10.773	131	7233m	1.559	ng/u1	0.02
46) Dimethylphthalate-d6	13.869	166	236062	22.770	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	251826	23.178	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	32952	21.046	ng/u1	0.00
60) Fluorene-d10	15.456	176	212276	24.731	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	30527	19.751	ng/u1	0.00
73) Anthracene-d10	17.307	188	274356	20.931	ng/u1	0.00
81) Pyrene-d10	19.598	212	240735	16.075	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.304	264	123182	8.558	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.276	88	13170	8.785	ng/uL#	92
5) Pyridine	3.675	79	23103	5.577	ng/u1#	91
6) Benzaldehyde	6.954	77	79530	42.676	ng/u1	97
8) Phenol	7.013	94	102097	21.305	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.236	93	86230	23.488	ng/u1	97
12) 2-Chlorophenol	7.383	128	74942	22.165	ng/u1	98
13) 2-Methylphenol	8.264	108	15760	4.220	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.346	45	141479	23.516	ng/u1	98
16) Acetophenone	8.640	105	165434	27.599	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.617	70	74024	22.564	ng/u1	99
18) 4-Methylphenol	8.599	108	38606	9.511	ng/u1	94
19) Hexachloroethane	8.899	117	15201	11.406	ng/u1	93
22) Nitrobenzene	9.022	77	96131	23.573	ng/u1	97
23) Isophorone	9.539	82	205015	22.423	ng/u1	100
25) 2-Nitrophenol	9.733	139	45901	25.740	ng/u1	93
26) 2,4-Dimethylphenol	9.798	107	6010	1.512	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.027	93	116449	24.049	ng/u1	98
29) 2,4-Dichlorophenol	10.268	162	68915	22.688	ng/u1	94
30) Naphthalene	10.667	128	272144	24.956	ng/u1	98
32) 4-Chloroaniline	10.785	127	8794	1.855	ng/u1	90
33) Hexachlorobutadiene	10.949	225	58423	26.898	ng/u1	98
34) Caprolactam	11.537	113	22579	17.897	ng/u1	92
35) 4-Chloro-3-methylphenol	11.913	107	53381	13.809	ng/u1	97
36) 2-Methylnaphthalene	12.283	142	183029	25.052	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.500	142	186084	24.851	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.653	216	92167	23.682	ng/ul	99
40) Hexachlorocyclopentadiene	12.630	237	27063	12.929	ng/ul	99
41) 2,4,6-Trichlorophenol	12.894	196	57270	21.737	ng/ul	98
42) 2,4,5-Trichlorophenol	12.970	196	69114	24.601	ng/ul	96
43) 1,1'-Biphenyl	13.294	154	244725	26.919	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	193618	26.786	ng/ul	99
45) 2-Nitroaniline	13.546	65	61600	24.534	ng/ul	98
47) Dimethylphthalate	13.916	163	330472	31.735	ng/ul	100
48) 2,6-Dinitrotoluene	14.040	165	53283	26.478	ng/ul	99
50) Acenaphthylene	14.187	152	284308	24.242	ng/ul	99
51) 3-Nitroaniline	14.369	138	21843	13.025	ng/ul	81
52) Acenaphthene	14.527	153	217682	26.734	ng/ul	98
53) 2,4-Dinitrophenol	14.586	184	17335	16.186	ng/ul	99
55) 4-Nitrophenol	14.692	109	26227	21.750	ng/ul#	89
56) Dibenzofuran	14.862	168	309504	26.695	ng/ul	97
57) 2,4-Dinitrotoluene	14.833	165	75729	26.092	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.092	232	59323	22.855	ng/ul#	99
59) Diethylphthalate	15.280	149	265374	24.737	ng/ul	99
61) Fluorene	15.509	166	252986	26.608	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.503	204	133716	26.492	ng/ul	98
63) 4-Nitroaniline	15.538	138	26433m	17.420	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.597	198	36903	23.208	ng/ul	100
67) N-Nitrosodiphenylamine	15.720	169	155732	20.710	ng/ul	99
68) 4-Bromophenyl-phenylether	16.396	248	89083	27.724	ng/ul	93
69) Hexachlorobenzene	16.513	284	48234	13.303	ng/ul	99
70) Atrazine	16.666	200	74226	25.176	ng/ul	97
71) Pentachlorophenol	16.860	266	38143	18.742	ng/ul	94
72) Phenanthrene	17.248	178	454784	31.546	ng/ul	97
74) Anthracene	17.342	178	336006	23.217	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.258	216	85162	22.381	ng/uL	98
76) Pentachlorobenzene	14.780	250	79025	18.991	ng/uL	96
77) Carbazole	17.612	167	210179	16.753	ng/ul	100
78) Di-n-butylphthalate	18.164	149	480994	30.172	ng/ul	99
80) Fluoranthene	19.263	202	586669	34.195	ng/ul	98
82) Pyrene	19.627	202	305711	17.586	ng/ul	100
83) Butylbenzylphthalate	20.515	149	219393	32.050	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.355	252	11374	2.009	ng/ul#	90
85) Benzo(a)anthracene	21.431	228	525943	30.860	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.337	149	448265	46.040	ng/ul	99
87) Chrysene	21.490	228	490880	30.365	ng/ul	97
89) Di-n-octyl phthalate	22.483	149	567033	35.785	ng/ul	100
90) Benzo(b)fluoranthene	23.546	252	542309	31.473	ng/ul	99
91) Benzo(k)fluoranthene	23.605	252	510711	29.718	ng/ul	98
93) Benzo(a)pyrene	24.369	252	111579	7.281	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.000	276	317131	15.706	ng/ul	97
95) Dibenzo(a,h)anthracene	28.059	278	508932	30.737	ng/ul	98
96) Benzo(g,h,i)perylene	29.087	276	11607m	0.706	ng/ul	

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

