

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071823\
 Data File : BG058344.D
 Acq On : 20 Jul 2023 2:24
 Operator : CG/JU
 Sample : 03452-22MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46Q0MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2023
 Supervised By :mohammad ahmed 07/20/2023

Quant Time: Jul 20 04:25:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.897	152	42368	20.000	ng/u1	0.00
20) Naphthalene-d8	10.700	136	201320	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.530	164	150780	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.280	188	339346	20.000	ng/u1	0.00
79) Chrysene-d12	21.528	240	277142	20.000	ng/u1	0.00
88) Perylene-d12	24.660	264	328025	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	3073	2.670	ng/uL	0.00
4) Pyridine-d5	3.749	84	40113	11.740	ng/u1	0.00
7) Phenol-d5	7.063	99	63732	15.857	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.221	67	41845	16.658	ng/u1	0.00
11) 2-Chlorophenol-d4	7.427	132	47401	16.848	ng/u1	0.00
15) 4-Methylphenol-d8	8.602	113	9005	2.937	ng/u1	0.00
21) Nitrobenzene-d5	9.055	128	25029	16.586	ng/u1	0.00
24) 2-Nitrophenol-d4	9.777	143	29624	17.982	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.318	165	53154	16.831	ng/u1	0.00
31) 4-Chloroaniline-d4	10.841	131	2685m	0.586	ng/u1	0.00
46) Dimethylphthalate-d6	13.937	166	194263	16.708	ng/u1	0.00
49) Acenaphthylene-d8	14.225	160	210027	17.237	ng/u1	0.00
54) 4-Nitrophenol-d4	14.736	143	25621	14.591	ng/u1	0.00
60) Fluorene-d10	15.523	176	178864	18.581	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.647	200	27520	15.917	ng/u1	0.00
73) Anthracene-d10	17.374	188	203305	13.865	ng/u1	0.00
81) Pyrene-d10	19.666	212	224252	13.700	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.436	264	100578	6.344	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.373	88	9984	7.646	ng/uL#	84
5) Pyridine	3.767	79	22599	6.263	ng/u1	95
6) Benzaldehyde	7.033	77	69600m	42.880	ng/u1	
8) Phenol	7.086	94	99443	23.825	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.315	93	76062	23.788	ng/u1	97
12) 2-Chlorophenol	7.462	128	66473	22.572	ng/u1	98
13) 2-Methylphenol	8.338	108	11340	3.486	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.420	45	122007	23.284	ng/u1	98
16) Acetophenone	8.714	105	150042	28.739	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.696	70	80364	28.125	ng/u1	97
18) 4-Methylphenol	8.673	108	35421	10.019	ng/u1	95
19) Hexachloroethane	8.972	117	15486	13.341	ng/u1	83
22) Nitrobenzene	9.102	77	92486	22.983	ng/u1	98
23) Isophorone	9.613	82	192604	21.348	ng/u1	98
25) 2-Nitrophenol	9.812	139	42317	24.048	ng/u1	97
26) 2,4-Dimethylphenol	9.871	107	4857	1.238	ng/u1#	89
27) Bis(2-Chloroethoxy)met...	10.100	93	110028	23.027	ng/u1	99
29) 2,4-Dichlorophenol	10.347	162	67127	22.395	ng/u1	98
30) Naphthalene	10.747	128	255712	23.763	ng/u1	99
32) 4-Chloroaniline	10.876	127	4963m	1.061	ng/u1	
33) Hexachlorobutadiene	11.029	225	50300	23.468	ng/u1	97
34) Caprolactam	11.610	113	20119	16.161	ng/u1	91
35) 4-Chloro-3-methylphenol	11.986	107	61898	16.227	ng/u1	95
36) 2-Methylnaphthalene	12.357	142	175997	24.412	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.574	142	180277	24.398	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.727	216	94290	21.602	ng/ul	99
40) Hexachlorocyclopentadiene	12.703	237	42692	18.186	ng/ul	96
41) 2,4,6-Trichlorophenol	12.968	196	54674	18.504	ng/ul	94
42) 2,4,5-Trichlorophenol	13.044	196	74432	23.624	ng/ul	98
43) 1,1'-Biphenyl	13.367	154	245867	24.115	ng/ul	99
44) 2-Chloronaphthalene	13.408	162	193966	23.927	ng/ul	97
45) 2-Nitroaniline	13.614	65	68184	24.215	ng/ul	97
47) Dimethylphthalate	13.984	163	267028	22.864	ng/ul	99
48) 2,6-Dinitrotoluene	14.107	165	55751	24.703	ng/ul	98
50) Acenaphthylene	14.254	152	301172	22.898	ng/ul	100
51) 3-Nitroaniline	14.436	138	14515	7.718	ng/ul	97
52) Acenaphthene	14.595	153	219881	24.079	ng/ul	99
53) 2,4-Dinitrophenol	14.648	184	25015	20.827	ng/ul	91
55) 4-Nitrophenol	14.754	109	31452	23.258	ng/ul	92
56) Dibenzofuran	14.930	168	316987	24.379	ng/ul	99
57) 2,4-Dinitrotoluene	14.895	165	80222	24.646	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.159	232	59740	20.522	ng/ul#	94
59) Diethylphthalate	15.347	149	276248	22.961	ng/ul	99
61) Fluorene	15.582	166	263669	24.727	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.570	204	135268	23.896	ng/ul	99
63) 4-Nitroaniline	15.600	138	23165m	13.612	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.659	198	43092	24.226	ng/ul	94
67) N-Nitrosodiphenylamine	15.788	169	122612	14.576	ng/ul	99
68) 4-Bromophenyl-phenylether	16.463	248	93270	25.949	ng/ul	96
69) Hexachlorobenzene	16.581	284	59396	14.645	ng/ul	95
70) Atrazine	16.728	200	56810	17.226	ng/ul	97
71) Pentachlorophenol	16.928	266	40568	17.819	ng/ul	94
72) Phenanthrene	17.321	178	418917	25.977	ng/ul	99
74) Anthracene	17.409	178	306045	18.904	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.332	216	89409	21.005	ng/uL	96
76) Pentachlorobenzene	14.854	250	89804	19.293	ng/uL	97
77) Carbazole	17.680	167	258995	18.455	ng/ul	98
78) Di-n-butylphthalate	18.232	149	498301	27.943	ng/ul	100
80) Fluoranthene	19.331	202	498001	26.557	ng/ul	99
82) Pyrene	19.695	202	313173	16.482	ng/ul	99
83) Butylbenzylphthalate	20.576	149	213275	28.506	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.434	252	1848m	0.299	ng/ul	
85) Benzo(a)anthracene	21.511	228	459943	24.691	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.411	149	325079	30.547	ng/ul	100
87) Chrysene	21.575	228	459310	25.995	ng/ul	98
89) Di-n-octyl phthalate	22.580	149	517513	29.651	ng/ul	100
90) Benzo(b)fluoranthene	23.661	252	496982	26.186	ng/ul	99
91) Benzo(k)fluoranthene	23.726	252	479931	25.354	ng/ul	99
93) Benzo(a)pyrene	24.507	252	111967	6.633	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.214	276	346045	15.559	ng/ul	99
95) Dibenzo(a,h)anthracene	28.285	278	485482	26.619	ng/ul	99
96) Benzo(g,h,i)perylene	29.325	276	11675m	0.644	ng/ul	

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

