

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071024\
 Data File : BG061998.D
 Acq On : 10 Jul 2024 14:34
 Operator : MA/JU
 Sample : P3109-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H0HC4MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2024
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 15:23:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.100	152	57545	20.000	ng/u1	0.00
20) Naphthalene-d8	10.908	136	281732	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.721	164	203420	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.459	188	454982	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.725	240	409355	20.000	ng/u1	# 0.00
88) Perylene-d12	24.968	264	496745	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.493	96	4543m	2.967	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.253	99	52275	8.301	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.418	67	102249	25.639	ng/u1	0.00
11) 2-Chlorophenol-d4	7.630	132	117314	27.158	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	95993	19.360	ng/u1	0.00
21) Nitrobenzene-d5	9.269	128	70435	32.873	ng/u1	0.00
24) 2-Nitrophenol-d4	9.986	143	86128	35.199	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.532	165	167762	35.546	ng/u1	0.00
31) 4-Chloroaniline-d4	11.043	131	40294	5.881	ng/u1	0.00
46) Dimethylphthalate-d6	14.122	166	587060	35.103	ng/u1	0.00
49) Acenaphthylene-d8	14.416	160	600402	34.334	ng/u1	0.00
54) 4-Nitrophenol-d4	14.921	143	31086	11.640	ng/u1	0.00
60) Fluorene-d10	15.708	176	497642	35.347	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.826	200	105247	44.046	ng/u1	0.00
73) Anthracene-d10	17.565	188	773733	36.424	ng/u1	0.00
81) Pyrene-d10	19.845	212	878388	36.481	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.745	264	972873	39.490	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.517	88	6451	3.817	ng/uL#	81
6) Benzaldehyde	7.230	77	66768	20.032	ng/u1	94
8) Phenol	7.277	94	60858	9.439	ng/u1#	88
10) Bis(2-Chloroethyl)ether	7.512	93	128058	25.854	ng/u1	97
12) 2-Chlorophenol	7.659	128	123467	28.055	ng/u1	92
13) 2-Methylphenol	8.540	108	102935	22.368	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.617	45	265265	24.514	ng/u1	96
16) Acetophenone	8.922	105	229093	27.971	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.899	70	122269	26.665	ng/u1	90
18) 4-Methylphenol	8.863	108	102251	19.841	ng/u1	98
19) Hexachloroethane	9.181	117	53282	27.909	ng/u1#	84
22) Nitrobenzene	9.310	77	188952	31.067	ng/u1	97
23) Isophorone	9.833	82	374760m	27.274	ng/u1	
25) 2-Nitrophenol	10.015	139	81622	32.710	ng/u1	94
26) 2,4-Dimethylphenol	10.074	107	136674	22.886	ng/u1	88
27) Bis(2-Chloroethoxy)met...	10.309	93	201522	26.632	ng/u1	97
29) 2,4-Dichlorophenol	10.555	162	155065	34.977	ng/u1	90
30) Naphthalene	10.961	128	477654	30.865	ng/u1	95
32) 4-Chloroaniline	11.073	127	54577	8.117	ng/u1	92
33) Hexachlorobutadiene	11.231	225	114057	34.188	ng/u1	91
34) Caprolactam	11.919	113	6790m	3.909	ng/u1	
35) 4-Chloro-3-methylphenol	12.183	107	205173	34.749	ng/u1	96
36) 2-Methylnaphthalene	12.559	142	363632	32.433	ng/u1	94
37) 1-Methylnaphthalene	12.776	142	379739	32.592	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.917	216	219534	35.938	ng/ul	97
40) Hexachlorocyclopentadiene	12.894	237	59759	14.695	ng/ul	94
41) 2,4,6-Trichlorophenol	13.158	196	146234	36.041	ng/ul	97
42) 2,4,5-Trichlorophenol	13.229	196	164270	36.856	ng/ul	89
43) 1,1'-Biphenyl	13.558	154	516197	32.935	ng/ul	99
44) 2-Chloronaphthalene	13.605	162	390668	33.212	ng/ul	93
45) 2-Nitroaniline	13.805	65	183394	38.932	ng/ul	97
47) Dimethylphthalate	14.169	163	541426	33.659	ng/ul	99
48) 2,6-Dinitrotoluene	14.298	165	120138	39.369	ng/ul	95
50) Acenaphthylene	14.445	152	619289	32.267	ng/ul	96
51) 3-Nitroaniline	14.627	138	96408	32.456	ng/ul	84
52) Acenaphthene	14.786	153	443040	33.430	ng/ul	99
53) 2,4-Dinitrophenol	14.833	184	62043	38.916	ng/ul	94
55) 4-Nitrophenol	14.933	109	42128	13.821	ng/ul	92
56) Dibenzofuran	15.115	168	639480	34.141	ng/ul	96
57) 2,4-Dinitrotoluene	15.080	165	175598	39.238	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.338	232	151876	37.736	ng/ul	96
59) Diethylphthalate	15.526	149	589768	34.023	ng/ul	95
61) Fluorene	15.767	166	547803	34.390	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.749	204	279900	34.982	ng/ul	93
63) 4-Nitroaniline	15.791	138	108250	35.915	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.843	198	108591	42.227	ng/ul#	87
67) N-Nitrosodiphenylamine	15.967	169	474513	38.189	ng/ul	97
68) 4-Bromophenyl-phenylether	16.648	248	200164	38.779	ng/ul	97
69) Hexachlorobenzene	16.760	284	233766	39.386	ng/ul	96
70) Atrazine	16.919	200	127072	25.907	ng/ul	96
71) Pentachlorophenol	17.107	266	129575	39.717	ng/ul	93
72) Phenanthrene	17.506	178	872983	36.389	ng/ul	99
74) Anthracene	17.594	178	875416	35.309	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.523	216	232929	41.220	ng/ul	97
76) Pentachlorobenzene	15.033	250	236397	36.678	ng/ul	98
77) Carbazole	17.865	167	770988	36.951	ng/ul	97
78) Di-n-butylphthalate	18.411	149	972235	36.293	ng/ul	99
80) Fluoranthene	19.521	202	1017484	35.708	ng/ul	95
82) Pyrene	19.874	202	1052606	35.761	ng/ul#	93
83) Butylbenzylphthalate	20.744	149	441082	35.706	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.613	252	243611	25.015	ng/ul	94
85) Benzo(a)anthracene	21.707	228	1105351	37.294	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.595	149	626699	35.355	ng/ul#	99
87) Chrysene	21.772	228	1052875	37.947	ng/ul	99
89) Di-n-octyl phthalate	22.812	149	1090949	35.948	ng/ul	100
90) Benzo(b)fluoranthene	23.940	252	1191392m	38.068	ng/ul	
91) Benzo(k)fluoranthene	24.004	252	1157110	37.076	ng/ul#	97
93) Benzo(a)pyrene	24.821	252	1001516	33.794	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.675	276	1464654	38.674	ng/ul#	93
95) Dibenzo(a,h)anthracene	28.740	278	1179498	37.709	ng/ul	99
96) Benzo(g,h,i)perylene	29.839	276	1110977m	36.873	ng/ul	

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

