

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058393.D
 Acq On : 21 Jul 2023 18:45
 Operator : CG/JU
 Sample : 03504-22MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46T5MSD

Quant Time: Jul 22 01:51:52 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	47208	20.000	ng/u1	0.00
20) Naphthalene-d8	10.696	136	204335	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	133449	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	287139	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	237379	20.000	ng/u1	0.00
88) Perylene-d12	24.668	264	285319	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	4765	3.715	ng/uL	0.00
4) Pyridine-d5	3.751	84	64732	17.003	ng/u1	0.00
7) Phenol-d5	7.065	99	52078	11.629	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	60646	21.667	ng/u1	0.00
11) 2-Chlorophenol-d4	7.429	132	57969	18.492	ng/u1	0.00
15) 4-Methylphenol-d8	8.610	113	6742	1.974	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	36425	23.782	ng/u1	0.00
24) 2-Nitrophenol-d4	9.779	143	39245	23.471	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	46099	14.382	ng/u1	0.00
31) 4-Chloroaniline-d4	10.849	131	3173	0.683	ng/u1	0.01
46) Dimethylphthalate-d6	13.933	166	220063	21.385	ng/u1	0.00
49) Acenaphthylene-d8	14.227	160	139238	12.911	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	29236	18.812	ng/u1	0.00
60) Fluorene-d10	15.526	176	189179	22.205	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	20675	14.133	ng/u1	0.00
73) Anthracene-d10	17.376	188	142856	11.514	ng/u1	0.00
81) Pyrene-d10	19.668	212	39388	2.809	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.451	264	12944m	0.939	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	14313	9.838	ng/uL#	84
5) Pyridine	3.775	79	19101	4.751	ng/u1#	87
6) Benzaldehyde	7.036	77	80467m	44.492	ng/u1	
8) Phenol	7.094	94	58418	12.561	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.318	93	89464	25.111	ng/u1	99
12) 2-Chlorophenol	7.465	128	65175	19.862	ng/u1	99
13) 2-Methylphenol	8.340	108	4859	1.341	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.422	45	149782m	25.654	ng/u1	
16) Acetophenone	8.716	105	145874	25.076	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.693	70	81038	25.453	ng/u1	97
18) 4-Methylphenol	8.675	108	29844	7.576	ng/u1	91
19) Hexachloroethane	8.975	117	2506	1.937	ng/u1#	84
22) Nitrobenzene	9.098	77	103284	25.287	ng/u1	99
23) Isophorone	9.615	82	203793	22.255	ng/u1	100
25) 2-Nitrophenol	9.809	139	48021	26.887	ng/u1	94
26) 2,4-Dimethylphenol	9.873	107	3057m	0.768	ng/u1	
27) Bis(2-Chloroethoxy)met...	10.103	93	118685	24.473	ng/u1	96
29) 2,4-Dichlorophenol	10.349	162	48311	15.880	ng/u1	92
30) Naphthalene	10.749	128	196941	18.032	ng/u1	98
32) 4-Chloroaniline	10.866	127	4559m	0.960	ng/u1	
33) Hexachlorobutadiene	11.025	225	50480	23.205	ng/u1	96
34) Caprolactam	11.613	113	23603	18.679	ng/u1	93
35) 4-Chloro-3-methylphenol	11.989	107	19209	4.961	ng/u1	97
36) 2-Methylnaphthalene	12.359	142	177440	24.249	ng/u1	100

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37) 1-Methylnaphthalene	12.576	142	164878	21.985	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.729	216	30674	7.940	ng/ul	98
40) Hexachlorocyclopentadiene	12.700	237	29073	13.993	ng/ul	95
41) 2,4,6-Trichlorophenol	12.970	196	41308	15.796	ng/ul	100
42) 2,4,5-Trichlorophenol	13.046	196	37974	13.618	ng/ul	96
43) 1,1'-Biphenyl	13.364	154	249315	27.629	ng/ul	97
44) 2-Chloronaphthalene	13.411	162	109565	15.271	ng/ul	99
45) 2-Nitroaniline	13.616	65	63432	25.453	ng/ul	97
47) Dimethylphthalate	13.986	163	251440	24.326	ng/ul	100
48) 2,6-Dinitrotoluene	14.110	165	51699	25.883	ng/ul	94
50) Acenaphthylene	14.257	152	153775	13.210	ng/ul	99
51) 3-Nitroaniline	14.439	138	13777	8.277	ng/ul	88
52) Acenaphthene	14.597	153	145572	18.012	ng/ul	98
53) 2,4-Dinitrophenol	14.650	184	12958	12.190	ng/ul	92
55) 4-Nitrophenol	14.756	109	27757	23.191	ng/ul	93
56) Dibenzofuran	14.932	168	280318	24.358	ng/ul	100
57) 2,4-Dinitrotoluene	14.897	165	73865	25.640	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.161	232	39047	15.156	ng/ul#	94
59) Diethylphthalate	15.344	149	258940	24.317	ng/ul	100
61) Fluorene	15.579	166	242729	25.720	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.573	204	126020	25.153	ng/ul	98
63) 4-Nitroaniline	15.602	138	23146m	15.367	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.661	198	25382	16.864	ng/ul	93
67) N-Nitrosodiphenylamine	15.784	169	97716	13.729	ng/ul	100
68) 4-Bromophenyl-phenylether	16.466	248	84336	27.730	ng/ul	96
69) Hexachlorobenzene	16.583	284	6974	2.032	ng/ul	95
70) Atrazine	16.730	200	60690	21.748	ng/ul	97
71) Pentachlorophenol	16.930	266	16342	8.483	ng/ul	94
72) Phenanthrene	17.324	178	279128	20.456	ng/ul	98
74) Anthracene	17.412	178	172090	12.562	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.334	216	21786	6.049	ng/uL	98
76) Pentachlorobenzene	14.850	250	16750	4.253	ng/uL	96
77) Carbazole	17.682	167	39307	3.310	ng/ul	99
78) Di-n-butylphthalate	18.234	149	454631	30.130	ng/ul	99
80) Fluoranthene	19.333	202	325622	20.273	ng/ul	100
82) Pyrene	19.697	202	46663	2.867	ng/ul	99
83) Butylbenzylphthalate	20.579	149	200333	31.261	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.431	252	5029m	0.949	ng/ul	
85) Benzo(a)anthracene	21.513	228	303161	19.001	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.413	149	311425	34.166	ng/ul	98
87) Chrysene	21.577	228	228669	15.110	ng/ul	99
89) Di-n-octyl phthalate	22.582	149	497693	32.784	ng/ul	100
90) Benzo(b)fluoranthene	23.669	252	226059	13.694	ng/ul	99
91) Benzo(k)fluoranthene	23.734	252	252416	15.331	ng/ul	98
93) Benzo(a)pyrene	24.509	252	10745m	0.732	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.293	276	96490	4.988	ng/ul#	73
95) Dibenzo(a,h)anthracene	28.293	278	307232	19.367	ng/ul	98
96) Benzo(g,h,i)perylene	29.362	276	1457m	0.092	ng/ul	

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

