

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083021\
 Data File : BM031970.D
 Acq On : 31 Aug 2021 03:48
 Operator : CG/JU
 Sample : M3422-25MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBKE2MSD

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:37:42 AM

Quant Time: Aug 31 05:01:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM082821.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 09:21:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.505	152	76248	20.000	ng/u1	0.00
20) Naphthalene-d8	10.263	136	342667	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.145	164	257412	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	565336	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.110	240	638039	20.000	ng/u1	0.00
88) Perylene-d12	23.251	264	626047	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	7595m	4.596	ng/uL	0.00
4) Pyridine-d5	3.528	84	47156	10.049	ng/u1	0.00
7) Phenol-d5	6.705	99	38840	6.143	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	129398	35.371	ng/u1	0.00
11) 2-Chlorophenol-d4	7.046	132	122846	25.249	ng/u1	0.00
15) 4-Methylphenol-d8	8.222	113	80053	14.757	ng/u1	0.00
21) Nitrobenzene-d5	8.657	128	97891	39.331	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	97683	33.163	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.898	165	179749	30.416	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	236104	28.323	ng/u1	0.00
46) Dimethylphthalate-d6	13.575	166	870619	44.698	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	979608	42.468	ng/u1	0.00
54) 4-Nitrophenol-d4	14.392	143	25010	7.094	ng/u1	0.00
60) Fluorene-d10	15.151	176	750100	43.809	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200	143689	36.990	ng/u1	0.00
73) Anthracene-d10	17.004	188	1261295	47.004	ng/u1	0.00
81) Pyrene-d10	19.310	212	1483888	49.653	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.121	264	1587049	48.235	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.164	88	9133	4.584	ng/uL#	81
5) Pyridine	3.546	79	53534	11.096	ng/u1	95
6) Benzaldehyde	6.675	77	152481	53.271	ng/u1	96
8) Phenol	6.734	94	43265	6.800	ng/u1	95
10) Bis(2-Chloroethyl)ether	6.957	93	177658	36.662	ng/u1	92
12) 2-Chlorophenol	7.081	128	124387	25.602	ng/u1	93
13) 2-Methylphenol	7.957	108	89381	18.220	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.040	45	227611	36.143	ng/u1#	89
16) Acetophenone	8.328	105	309331	36.409	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.316	70	162748	39.265	ng/u1	92
18) 4-Methylphenol	8.287	108	84629	15.535	ng/u1	93
19) Hexachloroethane	8.557	117	80673	38.761	ng/u1	87
22) Nitrobenzene	8.699	77	246211	39.184	ng/u1	100
23) Isophorone	9.222	82	452551	39.132	ng/u1#	97
25) 2-Nitrophenol	9.399	139	101145	32.964	ng/u1#	94
26) 2,4-Dimethylphenol	9.469	107	125089	20.027	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.704	93	268661	39.190	ng/u1	99
29) 2,4-Dichlorophenol	9.928	162	177401	31.559	ng/u1	98
30) Naphthalene	10.316	128	659824	38.464	ng/u1	98
32) 4-Chloroaniline	10.445	127	241799	29.078	ng/u1	99
33) Hexachlorobutadiene	10.587	225	142639	38.250	ng/u1	98
34) Caprolactam	11.251	113	11040m	5.892	ng/u1	
35) 4-Chloro-3-methylphenol	11.575	107	178191	30.228	ng/u1	99
36) 2-Methylnaphthalene	11.934	142	526956	38.960	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.157	142	511374	37.119	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.310	216	302798	40.979	ng/ul	99
40) Hexachlorocyclopentadiene	12.281	237	121365	30.515	ng/ul	98
41) 2,4,6-Trichlorophenol	12.563	196	186231	37.622	ng/ul	95
42) 2,4,5-Trichlorophenol	12.639	196	205126	38.158	ng/ul	99
43) 1,1'-Biphenyl	12.969	154	733168	40.492	ng/ul	97
44) 2-Chloronaphthalene	13.010	162	580998	40.502	ng/ul	99
45) 2-Nitroaniline	13.239	65	185623	46.968	ng/ul	95
47) Dimethylphthalate	13.628	163	869192	45.447	ng/ul	99
48) 2,6-Dinitrotoluene	13.751	165	188176	49.873	ng/ul	97
50) Acenaphthylene	13.869	152	899662	42.386	ng/ul	99
51) 3-Nitroaniline	14.081	138	156810	44.410	ng/ul	94
52) Acenaphthene	14.216	153	651469	42.261	ng/ul	97
53) 2,4-Dinitrophenol	14.298	184	90791	34.415	ng/ul	93
55) 4-Nitrophenol	14.410	109	23957	7.360	ng/ul	92
56) Dibenzofuran	14.551	168	991477	43.613	ng/ul	99
57) 2,4-Dinitrotoluene	14.545	165	282816	49.976	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	14.786	232	197040	40.831	ng/ul#	99
59) Diethylphthalate	14.998	149	920912	47.112	ng/ul	98
61) Fluorene	15.210	166	872854	45.377	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.210	204	437409	44.400	ng/ul	100
63) 4-Nitroaniline	15.257	138	162730	51.450	ng/ul#	86
66) 4,6-Dinitro-2-methylph...	15.310	198	139224	36.860	ng/ul	97
67) N-Nitrosodiphenylamine	15.428	169	773364	47.635	ng/ul	98
68) 4-Bromophenyl-phenylether	16.104	248	278193	48.019	ng/ul	99
69) Hexachlorobenzene	16.210	284	323754	48.132	ng/ul	97
70) Atrazine	16.398	200	308521	50.437	ng/ul	97
71) Pentachlorophenol	16.563	266	170309	38.719	ng/ul	98
72) Phenanthrene	16.951	178	1458298	47.229	ng/ul	100
74) Anthracene	17.039	178	1494216	47.285	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.928	216	309581	42.081	ng/uL	99
76) Pentachlorobenzene	14.469	250	344308	44.612	ng/uL	99
77) Carbazole	17.322	167	1367474	47.282	ng/ul	100
78) Di-n-butylphthalate	17.892	149	1730836	52.226	ng/ul	99
80) Fluoranthene	18.974	202	1820313	50.127	ng/ul	95
82) Pyrene	19.339	202	1906787	49.595	ng/ul	94
83) Butylbenzylphthalate	20.262	149	832073	55.116	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.039	252	395055	27.503	ng/ul	97
85) Benzo(a)anthracene	21.098	228	1943274	48.963	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.045	149	1327681	54.531	ng/ul#	96
87) Chrysene	21.151	228	1880235	49.254	ng/ul	99
89) Di-n-octyl phthalate	21.898	149	2293560	53.700	ng/ul	100
90) Benzo(b)fluoranthene	22.621	252	2036980	51.069	ng/ul	98
91) Benzo(k)fluoranthene	22.662	252	2000167	51.798	ng/ul#	98
93) Benzo(a)pyrene	23.162	252	1760586	48.880	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.362	276	1991786	43.207	ng/ul	95
95) Dibenzo(a,h)anthracene	25.374	278	1705327	43.986	ng/ul	97
96) Benzo(g,h,i)perylene	26.003	276	1565944	41.022	ng/ul	96

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

