

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010523\
 Data File : BG056214.D
 Acq On : 5 Jan 2023 15:11
 Operator : CG/JU
 Sample : N5388-05
 Misc : SFAM-MDL-MES-01-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

Quant Time: Jan 05 15:54:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 01:03:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/06/2023
 Supervised By :mohammad ahmed 01/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	50870	20.000	ng/u1	0.00
20) Naphthalene-d8	11.167	136	206247	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.945	164	181056	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.677	188	471447	20.000	ng/u1	0.00
79) Chrysene-d12	21.972	240	454285	20.000	ng/u1	0.00
88) Perylene-d12	25.433	264	475975	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	4318	3.845	ng/uL	0.00
4) Pyridine-d5	4.070	84	45188	12.595	ng/u1	0.00
7) Phenol-d5	7.460	99	73748	16.433	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.642	67	30947	16.816	ng/u1	0.00
11) 2-Chlorophenol-d4	7.859	132	49506	16.486	ng/u1	0.00
15) 4-Methylphenol-d8	9.023	113	57069	15.959	ng/u1	0.00
21) Nitrobenzene-d5	9.504	128	25845	15.869	ng/u1	0.00
24) 2-Nitrophenol-d4	10.233	143	33454	15.707	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.774	165	69462	16.361	ng/u1	0.00
31) 4-Chloroaniline-d4	11.285	131	75734	15.851	ng/u1	0.00
46) Dimethylphthalate-d6	14.328	166	235665	16.404	ng/u1	0.00
49) Acenaphthylene-d8	14.640	160	255283	16.176	ng/u1	0.00
54) 4-Nitrophenol-d4	15.104	143	35312	15.571	ng/u1	0.00
60) Fluorene-d10	15.926	176	218405	16.276	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.032	200	47381	14.304	ng/u1	0.00
73) Anthracene-d10	17.777	188	358916	16.564	ng/u1	0.00
81) Pyrene-d10	20.039	212	430264	16.188	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.192	264	408883	16.752	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Pyridine	4.093	79	12324	3.509	ng/u1#	95
6) Benzaldehyde	7.460	77	7659	4.864	ng/u1	97
8) Phenol	7.489	94	20368	4.596	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.736	93	13443	4.381	ng/u1	98
12) 2-Chlorophenol	7.889	128	12741	4.315	ng/u1	97
13) 2-Methylphenol	8.758	108	14039	4.123	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.858	45	2082	3.733	ng/u1	93
16) Acetophenone	9.158	105	24798	4.507	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.128	70	11123	4.564	ng/u1#	96
18) 4-Methylphenol	9.087	108	15340	4.148	ng/u1	100
19) Hexachloroethane	9.434	117	5259	4.576	ng/u1	83
22) Nitrobenzene	9.546	77	15703	4.246	ng/u1	95
23) Isophorone	10.068	82	32811	4.209	ng/u1	99
25) 2-Nitrophenol	10.262	139	8596	4.182	ng/u1	96
26) 2,4-Dimethylphenol	10.303	107	17508	4.159	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.544	93	19786	4.531	ng/u1	97
29) 2,4-Dichlorophenol	10.803	162	17434	4.355	ng/u1#	95
30) Naphthalene	11.214	128	47390	4.390	ng/u1	98
32) 4-Chloroaniline	11.314	127	20577	4.215	ng/u1	97
33) Hexachlorobutadiene	11.490	225	15088	4.394	ng/u1	92
34) Caprolactam	12.060	113	5892	4.690	ng/u1	96
35) 4-Chloro-3-methylphenol	12.401	107	16753	4.266	ng/u1#	89
36) 2-Methylnaphthalene	12.795	142	35220	4.271	ng/u1	96
37) 1-Methylnaphthalene	13.012	142	28116	3.316	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	13.153	216	30358	4.331	ng/ul	94
40) Hexachlorocyclopentadiene	13.135	237	13585	2.851	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.382	196	19223	4.320	ng/ul	97
42) 2,4,5-Trichlorophenol	13.453	196	19760	4.083	ng/ul	96
43) 1,1'-Biphenyl	13.782	154	56464	4.333	ng/ul	96
44) 2-Chloronaphthalene	13.829	162	44922	4.203	ng/ul	96
45) 2-Nitroaniline	14.017	65	7881	3.864	ng/ul	87
47) Dimethylphthalate	14.375	163	59788	4.211	ng/ul	97
48) 2,6-Dinitrotoluene	14.499	165	12271	4.116	ng/ul#	87
50) Acenaphthylene	14.669	152	66522	4.162	ng/ul	99
51) 3-Nitroaniline	14.833	138	10595	4.693	ng/ul#	91
52) Acenaphthene	15.010	153	48409	4.377	ng/ul	97
53) 2,4-Dinitrophenol	15.039	184	11578	5.431	ng/ul	94
55) 4-Nitrophenol	15.121	109	8591	4.050	ng/ul	95
56) Dibenzofuran	15.333	168	74886	4.379	ng/ul	96
57) 2,4-Dinitrotoluene	15.286	165	17199	4.049	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.556	232	18594	3.968	ng/ul#	96
59) Diethylphthalate	15.727	149	55780	4.225	ng/ul	98
61) Fluorene	15.979	166	60044	4.360	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.967	204	36823	4.276	ng/ul	97
63) 4-Nitroaniline	15.985	138	10367	5.019	ng/ul	94
66) 4,6-Dinitro-2-methylph...	16.044	198	13892	4.394	ng/ul#	90
67) N-Nitrosodiphenylamine	16.173	169	53216	4.230	ng/ul	95
68) 4-Bromophenyl-phenylether	16.855	248	25185	4.165	ng/ul	98
69) Hexachlorobenzene	16.984	284	25075	4.188	ng/ul#	95
70) Atrazine	17.107	200	35136	6.127	ng/ul	98
71) Pentachlorophenol	17.319	266	15867	4.154	ng/ul	93
72) Phenanthrene	17.724	178	103642	4.312	ng/ul	99
74) Anthracene	17.812	178	103299	4.233	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.752	216	24286	3.418	ng/uL	92
76) Pentachlorobenzene	15.257	250	23865	3.283	ng/uL	87
77) Carbazole	18.071	167	86425	4.314	ng/ul	99
78) Di-n-butylphthalate	18.606	149	88963	4.209	ng/ul	97
80) Fluoranthene	19.710	202	132340	4.210	ng/ul	100
82) Pyrene	20.069	202	131662	4.188	ng/ul	99
83) Butylbenzylphthalate	20.932	149	37624	4.081	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.855	252	61100	5.688	ng/ul	96
85) Benzo(a)anthracene	21.955	228	133106	4.249	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.819	149	54630	4.098	ng/ul	98
87) Chrysene	22.025	228	127882	4.390	ng/ul	99
89) Di-n-octyl phthalate	23.106	149	94647	4.331	ng/ul	100
90) Benzo(b)fluoranthene	24.322	252	142548	4.486	ng/ul#	96
91) Benzo(k)fluoranthene	24.393	252	134174	4.315	ng/ul	99
93) Benzo(a)pyrene	25.268	252	123803	4.450	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.405	276	179678	4.909	ng/ul	96
95) Dibenzo(a,h)anthracene	29.469	278	152679	4.992	ng/ul	94
96) Benzo(g,h,i)perylene	30.638	276	153771	5.197	ng/ul	99

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

Manual Integrations

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