Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011023\
Data File : BM038420.D
Acq On : 10 Jan 2023 12:03
Operator : CG/JU
Sample : N4239-04
Misc : SFAM-MDL-S-02-4PPM
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 10 12:52:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 02:11:50 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2022-06

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/11/2023
Supervised By :mohammad ahmed 01/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	69041	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	282564	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.627	164	166956	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.368	188	395674	20.000	ng/ul	0.00
79) Chrysene-d12	21.545	240	441923	20.000	ng/ul	# 0.00
88) Perylene-d12	23.974	264	531679	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	8427	3.958	ng/uL	0.00
4) Pyridine-d5	3.799	84	76023	12.343	ng/ul	0.00
7) Phenol-d5	7.151	99	105836	16.827	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	82373	18.206	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	78469	17.413	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	83405	17.179	ng/ul	-0.01
21) Nitrobenzene-d5	9.163	128	40403	18.225	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.886	143	43694	17.379	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.428	165	81719	16.831	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	105831	15.796	ng/ul	0.00
46) Dimethylphthalate-d6	14.033	166	234294	18.530	ng/ul	-0.01
49) Acenaphthylene-d8	14.321	160	255691	17.353	ng/ul	0.00
54) 4-Nitrophenol-d4	14.827	143	32824	14.421	ng/ul	-0.01
60) Fluorene-d10	15.616	176	204353	17.772	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	42747	14.907	ng/ul	0.00
73) Anthracene-d10	17.468	188	326167	17.088	ng/ul	0.00
81) Pyrene-d10	19.756	212	426685	17.351	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.815	264	483288	18.302	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	3466	1.525	ng/uL	94
5) Pyridine	3.816	79	21577	3.316	ng/ul#	66
6) Benzaldehyde	7.134	77	14392	5.566	ng/ul	97
8) Phenol	7.181	94	26030	3.923	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.416	93	21485	4.044	ng/ul	93
12) 2-Chlorophenol	7.551	128	18657	4.009	ng/ul	96
13) 2-Methylphenol	8.439	108	17867	3.770	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.528	45	38215	4.535	ng/ul	97
16) Acetophenone	8.828	105	32368	3.768	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.804	70	19934	4.307	ng/ul	95
18) 4-Methylphenol	8.769	108	20072	3.893	ng/ul	83
19) Hexachloroethane	9.075	117	9650	4.453	ng/ul	95
22) Nitrobenzene	9.210	77	29943	4.095	ng/ul	98
23) Isophorone	9.734	82	51923	4.142	ng/ul	97
25) 2-Nitrophenol	9.916	139	10388	3.967	ng/ul	93
26) 2,4-Dimethylphenol	9.975	107	22123	3.614	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.216	93	29882	4.166	ng/ul	98
29) 2,4-Dichlorophenol	10.451	162	19080	4.041	ng/ul	95
30) Naphthalene	10.857	128	60889	4.040	ng/ul	99
32) 4-Chloroaniline	10.975	127	23671	3.467	ng/ul	98
33) Hexachlorobutadiene	11.128	225	13791	3.923	ng/ul	99
34) Caprolactam	11.769	113	4948m	3.672	ng/ul	
35) 4-Chloro-3-methylphenol	12.092	107	17386m	3.461	ng/ul	
36) 2-Methylnaphthalene	12.463	142	35150	3.578	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	31758	3.124	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.827	216	24097	4.082	ng/ul	96
40) Hexachlorocyclopentadiene	12.798	237	12531	3.006	ng/ul	98
41) 2,4,6-Trichlorophenol	13.069	196	13881	3.789	ng/ul	96
42) 2,4,5-Trichlorophenol	13.139	196	15027	3.827	ng/ul	89
43) 1,1'-Biphenyl	13.463	154	49188	3.898	ng/ul	100
44) 2-Chloronaphthalene	13.510	162	39414	3.825	ng/ul	98
45) 2-Nitroaniline	13.722	65	12445m	3.610	ng/ul	
47) Dimethylphthalate	14.080	163	51351	4.002	ng/ul#	98
48) 2,6-Dinitrotoluene	14.210	165	9355	3.829	ng/ul	95
50) Acenaphthylene	14.351	152	60474	3.869	ng/ul	98
51) 3-Nitroaniline	14.545	138	7823m	3.478	ng/ul	
52) Acenaphthene	14.686	153	43619	3.943	ng/ul	97
53) 2,4-Dinitrophenol	14.757	184	8293	4.540	ng/ul	93
55) 4-Nitrophenol	14.839	109	8639	3.626	ng/ul	89
56) Dibenzofuran	15.021	168	61225	3.895	ng/ul	97
57) 2,4-Dinitrotoluene	14.998	165	13342	3.733	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.251	232	12920	3.684	ng/ul#	88
59) Diethylphthalate	15.439	149	52840	3.973	ng/ul	99
61) Fluorene	15.668	166	50728	3.759	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.663	204	27601	3.886	ng/ul	96
63) 4-Nitroaniline	15.698	138	7614m	3.537	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.751	198	11800	4.294	ng/ul#	81
67) N-Nitrosodiphenylamine	15.874	169	42087	3.730	ng/ul	98
68) 4-Bromophenyl-phenylether	16.557	248	15926	3.799	ng/ul	98
69) Hexachlorobenzene	16.668	284	18351	3.796	ng/ul	98
70) Atrazine	16.827	200	19291	4.137	ng/ul	95
71) Pentachlorophenol	17.015	266	11779	3.692	ng/ul	96
72) Phenanthrene	17.410	178	82808	3.836	ng/ul	98
74) Anthracene	17.498	178	84209	3.793	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.427	216	20373	3.412	ng/uL	99
76) Pentachlorobenzene	14.939	250	19586	3.404	ng/uL	91
77) Carbazole	17.774	167	71228	3.499	ng/ul	98
78) Di-n-butylphthalate	18.321	149	93989	3.865	ng/ul	99
80) Fluoranthene	19.421	202	102809	3.697	ng/ul	97
82) Pyrene	19.780	202	113855	3.756	ng/ul	98
83) Butylbenzylphthalate	20.668	149	42991	3.698	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.456	252	32084	3.481	ng/ul#	93
85) Benzo(a)anthracene	21.527	228	120830	3.842	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.439	149	68638	3.825	ng/ul	96
87) Chrysene	21.580	228	115801	3.833	ng/ul	99
89) Di-n-octyl phthalate	22.368	149	123103	3.237	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	127107	3.779	ng/ul	98
91) Benzo(k)fluoranthene	23.274	252	126037	3.731	ng/ul	98
93) Benzo(a)pyrene	23.862	252	119913	3.939	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.503	276	152850	3.951	ng/ul	98
95) Dibenzo(a,h)anthracene	26.509	278	125559	3.889	ng/ul	98
96) Benzo(g,h,i)perylene	27.285	276	126732	4.000	ng/ul	99

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

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