Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
Data File : BM042284.D
Acq On : 13 Oct 2023 14:20
Operator : MA/JU
Sample : 02215-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 15:01:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 15:38:21 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	113252	20.000	ng/ul	0.00
20) Naphthalene-d8	10.834	136	516811	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	328387	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.410	188	715264	20.000	ng/ul	0.00
79) Chrysene-d12	21.592	240	672689	20.000	ng/ul	0.00
88) Perylene-d12	24.074	264	740652	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	23129	6.381	ng/uL	0.00
4) Pyridine-d5	3.799	84	304062	28.325	ng/ul	0.00
7) Phenol-d5	7.152	99	335927	26.765	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.346	67	233024	27.477	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	240434	27.847	ng/ul	0.00
15) 4-Methylphenol-d8	8.710	113	265020	26.662	ng/ul	0.00
21) Nitrobenzene-d5	9.204	128	126427	28.804	ng/ul	0.00
24) 2-Nitrophenol-d4	9.922	143	136922	29.182	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.440	165	237337	27.718	ng/ul	0.00
31) 4-Chloroaniline-d4	10.992	131	370331	27.469	ng/ul	0.00
46) Dimethylphthalate-d6	14.069	166	806721	28.339	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	907353	29.123	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	153675	26.840	ng/ul	0.00
60) Fluorene-d10	15.645	176	687383	29.374	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	114242	22.800	ng/ul	0.00
73) Anthracene-d10	17.504	188	1062819	29.007	ng/ul	0.00
81) Pyrene-d10	19.798	212	1219599	29.747	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.909	264	1225126	30.136	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.405	88	4265	1.074	ng/uL	94
5) Pyridine	3.822	79	48951	4.405	ng/ul#	70
6) Benzaldehyde	7.163	77	39210	6.111	ng/ul	98
8) Phenol	7.181	94	53353	4.209	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.440	93	48201	4.579	ng/ul	100
12) 2-Chlorophenol	7.557	128	39855	4.419	ng/ul	97
13) 2-Methylphenol	8.446	108	35977	3.803	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.516	45	80472m	4.484	ng/ul	
16) Acetophenone	8.857	105	69028	4.473	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.822	70	37723	4.130	ng/ul	96
18) 4-Methylphenol	8.775	108	42139	4.042	ng/ul	97
19) Hexachloroethane	9.075	117	16323	4.290	ng/ul	95
22) Nitrobenzene	9.245	77	56091	4.518	ng/ul	97
23) Isophorone	9.757	82	96236	3.998	ng/ul	99
25) 2-Nitrophenol	9.951	139	22596	4.401	ng/ul	96
26) 2,4-Dimethylphenol	9.987	107	47016	4.309	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.245	93	68025	4.520	ng/ul	98
29) 2,4-Dichlorophenol	10.469	162	38166	4.564	ng/ul	96
30) Naphthalene	10.881	128	143671	4.742	ng/ul	99
32) 4-Chloroaniline	11.016	127	59444	4.562	ng/ul	97
33) Hexachlorobutadiene	11.110	225	22941	4.752	ng/ul	96
34) Caprolactam	11.845	113	18778	6.150	ng/ul	95
35) 4-Chloro-3-methylphenol	12.110	107	40526	3.934	ng/ul	97
36) 2-Methylnaphthalene	12.486	142	95228	4.592	ng/ul	99

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	99539	4.749	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.833	216	47432	4.587	ng/ul	96
40) Hexachlorocyclopentadiene	12.781	237	43670	6.526	ng/ul	98
41) 2,4,6-Trichlorophenol	13.086	196	26652	3.855	ng/ul	96
42) 2,4,5-Trichlorophenol	13.157	196	29153	3.928	ng/ul	96
43) 1,1'-Biphenyl	13.492	154	131805	4.683	ng/ul	97
44) 2-Chloronaphthalene	13.539	162	99080	4.593	ng/ul	99
45) 2-Nitroaniline	13.775	65	26296	3.390	ng/ul	93
47) Dimethylphthalate	14.116	163	129231	4.562	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	17987	3.508	ng/ul#	95
50) Acenaphthylene	14.386	152	168293	4.677	ng/ul	99
51) 3-Nitroaniline	14.598	138	20895	3.457	ng/ul	96
52) Acenaphthene	14.722	153	112130	4.639	ng/ul	99
53) 2,4-Dinitrophenol	14.798	184	25918	7.467	ng/ul	93
55) 4-Nitrophenol	14.880	109	18968	4.084	ng/ul	88
56) Dibenzofuran	15.051	168	154677	4.764	ng/ul	99
57) 2,4-Dinitrotoluene	15.039	165	29134	3.853	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.269	232	25708	4.127	ng/ul#	94
59) Diethylphthalate	15.463	149	126567	4.377	ng/ul	98
61) Fluorene	15.704	166	127244	4.725	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	61046	4.694	ng/ul	99
63) 4-Nitroaniline	15.763	138	23559	4.358	ng/ul#	54
66) 4,6-Dinitro-2-methylph...	15.786	198	21231	4.052	ng/ul#	89
67) N-Nitrosodiphenylamine	15.916	169	101493	4.460	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	33158	4.310	ng/ul	94
69) Hexachlorobenzene	16.674	284	40245	4.601	ng/ul	93
70) Atrazine	16.857	200	29278	3.750	ng/ul	99
71) Pentachlorophenol	17.033	266	35271	5.951	ng/ul	97
72) Phenanthrene	17.451	178	203040	4.628	ng/ul	99
74) Anthracene	17.539	178	201048	4.556	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.445	216	45491	4.293	ng/uL	97
76) Pentachlorobenzene	14.945	250	49670	4.773	ng/uL	96
77) Carbazole	17.827	167	170293	4.236	ng/ul	98
78) Di-n-butylphthalate	18.345	149	192988	3.793	ng/ul	99
80) Fluoranthene	19.462	202	214457	4.417	ng/ul	99
82) Pyrene	19.827	202	241058	4.723	ng/ul	96
83) Butylbenzylphthalate	20.709	149	75957	3.491	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.515	252	55966	3.483	ng/ul#	97
85) Benzo(a)anthracene	21.574	228	222274	4.356	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.456	149	113962	3.545	ng/ul	99
87) Chrysene	21.633	228	215828	4.599	ng/ul	98
89) Di-n-octyl phthalate	22.403	149	195570	3.269	ng/ul	100
90) Benzo(b)fluoranthene	23.303	252	215652	4.285	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	211756	4.254	ng/ul	99
93) Benzo(a)pyrene	23.956	252	211826	4.498	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.662	276	236421	4.133	ng/ul	97
95) Dibenzo(a,h)anthracene	26.680	278	197112	4.154	ng/ul	99
96) Benzo(g,h,i)perylene	27.474	276	190220	4.251	ng/ul	98

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

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