Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101623\
Data File : BM042299.D
Acq On : 16 Oct 2023 15:17
Operator : MA/JU
Sample : 03573-05
Misc : SFAM-MDL-ME-SOIL-01
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 16 16:33:18 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-MED-SOIL-QT3-2023-05

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
10/17/2023
Supervised By :mohammad ahmed
10/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	134566	20.000	ng/ul	0.00
20) Naphthalene-d8	10.839	136	604724	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	366514	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.409	188	777597	20.000	ng/ul	0.00
79) Chrysene-d12	21.592	240	706410	20.000	ng/ul	0.00
88) Perylene-d12	24.074	264	742187	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	30851	7.164	ng/uL	0.00
4) Pyridine-d5	3.804	84	390540	30.619	ng/ul	0.00
7) Phenol-d5	7.163	99	419354	28.120	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	293902	29.166	ng/ul	0.00
11) 2-Chlorophenol-d4	7.534	132	293931	28.651	ng/ul	0.00
15) 4-Methylphenol-d8	8.722	113	320379	27.127	ng/ul	0.00
21) Nitrobenzene-d5	9.216	128	149662	29.141	ng/ul	0.00
24) 2-Nitrophenol-d4	9.928	143	159940	29.133	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	275089	27.457	ng/ul	0.00
31) 4-Chloroaniline-d4	10.998	131	428129	27.140	ng/ul	0.00
46) Dimethylphthalate-d6	14.074	166	906233	28.523	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	1030376	29.631	ng/ul	0.00
54) 4-Nitrophenol-d4	14.868	143	172364	26.972	ng/ul	0.00
60) Fluorene-d10	15.651	176	772778	29.588	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	126051	23.141	ng/ul	0.00
73) Anthracene-d10	17.509	188	1160450	29.133	ng/ul	0.00
81) Pyrene-d10	19.798	212	1336201	31.035	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.909	264	1265117	31.055	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	6246	1.323	ng/uL	98
5) Pyridine	3.828	79	62991	4.770	ng/ul#	71
6) Benzaldehyde	7.175	77	49544	6.499	ng/ul	99
8) Phenol	7.192	94	66202	4.396	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.451	93	59051	4.721	ng/ul	99
12) 2-Chlorophenol	7.569	128	49665	4.635	ng/ul	97
13) 2-Methylphenol	8.457	108	45063	4.009	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.528	45	101898m	4.779	ng/ul	
16) Acetophenone	8.863	105	84322	4.599	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.834	70	48537	4.473	ng/ul	99
18) 4-Methylphenol	8.786	108	52058	4.202	ng/ul	98
19) Hexachloroethane	9.081	117	20779	4.596	ng/ul	95
22) Nitrobenzene	9.257	77	69199	4.764	ng/ul	99
23) Isophorone	9.769	82	122142	4.336	ng/ul	99
25) 2-Nitrophenol	9.957	139	27536	4.583	ng/ul	95
26) 2,4-Dimethylphenol	9.998	107	56120	4.395	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.251	93	82196	4.667	ng/ul	98
29) 2,4-Dichlorophenol	10.475	162	43619	4.458	ng/ul	92
30) Naphthalene	10.892	128	166346	4.693	ng/ul	99
32) 4-Chloroaniline	11.022	127	69901	4.584	ng/ul	99
33) Hexachlorobutadiene	11.116	225	26446	4.682	ng/ul	97
34) Caprolactam	11.851	113	23086	6.461	ng/ul	92
35) 4-Chloro-3-methylphenol	12.116	107	48678	4.039	ng/ul	99
36) 2-Methylnaphthalene	12.492	142	110261	4.544	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	113780	4.640	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.839	216	53481	4.634	ng/ul	97
40) Hexachlorocyclopentadiene	12.786	237	43611	5.839	ng/ul	97
41) 2,4,6-Trichlorophenol	13.092	196	30801	3.992	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	34451	4.159	ng/ul	98
43) 1,1'-Biphenyl	13.492	154	144467	4.599	ng/ul	98
44) 2-Chloronaphthalene	13.545	162	113386	4.709	ng/ul	98
45) 2-Nitroaniline	13.774	65	32550	3.760	ng/ul	97
47) Dimethylphthalate	14.116	163	143070	4.525	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	20234	3.535	ng/ul	91
50) Acenaphthylene	14.386	152	190678	4.748	ng/ul	99
51) 3-Nitroaniline	14.604	138	24564	3.641	ng/ul	94
52) Acenaphthene	14.721	153	126322	4.683	ng/ul	100
53) 2,4-Dinitrophenol	14.804	184	28539	7.367	ng/ul	95
55) 4-Nitrophenol	14.880	109	22384	4.318	ng/ul	91
56) Dibenzofuran	15.057	168	170812	4.713	ng/ul	99
57) 2,4-Dinitrotoluene	15.045	165	33007	3.911	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.268	232	27121	3.901	ng/ul	93
59) Diethylphthalate	15.468	149	143980	4.461	ng/ul	99
61) Fluorene	15.704	166	141254	4.699	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	66164	4.559	ng/ul	96
63) 4-Nitroaniline	15.762	138	27319	4.528	ng/ul#	70
66) 4,6-Dinitro-2-methylph...	15.792	198	23135	4.061	ng/ul#	93
67) N-Nitrosodiphenylamine	15.915	169	111818	4.520	ng/ul	98
68) 4-Bromophenyl-phenylether	16.592	248	35915	4.294	ng/ul	99
69) Hexachlorobenzene	16.674	284	40993	4.311	ng/ul	97
70) Atrazine	16.862	200	32701	3.852	ng/ul	95
71) Pentachlorophenol	17.039	266	37504	5.820	ng/ul	98
72) Phenanthrene	17.451	178	216411	4.537	ng/ul	99
74) Anthracene	17.545	178	218276	4.550	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.451	216	51674	4.485	ng/uL	96
76) Pentachlorobenzene	14.951	250	53777	4.754	ng/uL	99
77) Carbazole	17.827	167	189003	4.325	ng/ul	100
78) Di-n-butylphthalate	18.351	149	221106	3.997	ng/ul	99
80) Fluoranthene	19.462	202	226264	4.438	ng/ul	96
82) Pyrene	19.827	202	257082	4.796	ng/ul	94
83) Butylbenzylphthalate	20.709	149	87749	3.841	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.515	252	66687	3.952	ng/ul	96
85) Benzo(a)anthracene	21.574	228	231957	4.328	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.456	149	133702	3.961	ng/ul	98
87) Chrysene	21.633	228	219959	4.463	ng/ul	99
89) Di-n-octyl phthalate	22.403	149	220596	3.680	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	219926	4.361	ng/ul	98
91) Benzo(k)fluoranthene	23.350	252	213382	4.278	ng/ul	98
93) Benzo(a)pyrene	23.956	252	208325	4.414	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.662	276	228705	3.990	ng/ul	97
95) Dibenzo(a,h)anthracene	26.685	278	186389	3.920	ng/ul	98
96) Benzo(g,h,i)perylene	27.474	276	178539	3.982	ng/ul	97

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

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