Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
Data File : BP017743.D
Acq On : 20 Oct 2023 16:07
Operator : MA/JU
Sample : 04696-05
Misc : SFAM-MDL-ME-SOIL-01
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2023
Supervised By :mohammad ahmed 10/23/2023

Quant Time: Oct 20 17:27:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 01:32:15 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.887	152	109037	20.000	ng/ul		0.00
20) Naphthalene-d8	10.716	136	430879	20.000	ng/ul		0.00
38) Acenaphthene-d10	14.587	164	268343	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.375	188	575248	20.000	ng/ul	#	0.00
79) Chrysene-d12	21.522	240	489623	20.000	ng/ul		0.00
88) Perylene-d12	24.080	264	470894	20.000	ng/ul		0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.258	96	17194	5.866	ng/uL		0.00
4) Pyridine-d5	3.693	84	199179	25.956	ng/ul		0.00
7) Phenol-d5	7.046	99	222478	24.520	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.234	67	148649	26.527	ng/ul		0.00
11) 2-Chlorophenol-d4	7.405	132	178255	24.087	ng/ul		0.00
15) 4-Methylphenol-d8	8.610	113	169261	23.755	ng/ul		0.00
21) Nitrobenzene-d5	9.093	128	81204	23.258	ng/ul		0.00
24) 2-Nitrophenol-d4	9.810	143	87222	22.610	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.340	165	163061	21.548	ng/ul		0.00
31) 4-Chloroaniline-d4	10.893	131	210994	21.305	ng/ul		0.00
46) Dimethylphthalate-d6	14.004	166	524701	23.293	ng/ul		0.00
49) Acenaphthylene-d8	14.281	160	581858	23.161	ng/ul		0.00
54) 4-Nitrophenol-d4	14.834	143	50726	15.804	ng/ul		0.00
60) Fluorene-d10	15.592	176	463772	23.817	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.740	200	65462	17.276	ng/ul		0.00
73) Anthracene-d10	17.481	188	664490	22.604	ng/ul		0.00
81) Pyrene-d10	19.739	212	776757	25.304	ng/ul		0.00
92) Benzo(a)pyrene-d12	23.910	264	661719	25.230	ng/ul		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	3206	1.031	ng/uL		99
5) Pyridine	3.717	79	31841	4.050	ng/ul	#	69
6) Benzaldehyde	7.052	77	25290	5.181	ng/ul		90
8) Phenol	7.075	94	43158	4.824	ng/ul		98
10) Bis(2-Chloroethyl)ether	7.328	93	36297	4.863	ng/ul		99
12) 2-Chlorophenol	7.440	128	35297	4.749	ng/ul		95
13) 2-Methylphenol	8.346	108	28483	4.219	ng/ul		99
14) 2,2'-oxybis(1-Chloropr...	8.422	45	50341m	5.480	ng/ul		
16) Acetophenone	8.746	105	53513	4.777	ng/ul		99
17) N-Nitroso-di-n-propyla...	8.710	70	28121	5.292	ng/ul		94
18) 4-Methylphenol	8.675	108	32240	4.496	ng/ul		96
19) Hexachloroethane	8.946	117	14553	4.261	ng/ul		86
22) Nitrobenzene	9.140	77	44291	5.095	ng/ul		99
23) Isophorone	9.652	82	70830	4.556	ng/ul		97
25) 2-Nitrophenol	9.840	139	18965	4.606	ng/ul		95
26) 2,4-Dimethylphenol	9.887	107	31291	3.872	ng/ul		91
27) Bis(2-Chloroethoxy)met...	10.140	93	48226	5.016	ng/ul		96
29) 2,4-Dichlorophenol	10.363	162	33698	4.657	ng/ul		94
30) Naphthalene	10.769	128	118392	4.775	ng/ul		98
32) 4-Chloroaniline	10.922	127	41138	4.338	ng/ul		94
33) Hexachlorobutadiene	10.993	225	22975	3.910	ng/ul		99
34) Caprolactam	11.769	113	11680	6.269	ng/ul		90
35) 4-Chloro-3-methylphenol	12.040	107	29128	4.276	ng/ul		93
36) 2-Methylnaphthalene	12.393	142	77872	4.649	ng/ul		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	64660	3.775	ng/ul	90
39) 1,2,4,5-Tetrachloroben...	12.746	216	41999	4.230	ng/ul	94
40) Hexachlorocyclopentadiene	12.681	237	32118	5.630	ng/ul	97
41) 2,4,6-Trichlorophenol	13.010	196	22753	3.818	ng/ul	100
42) 2,4,5-Trichlorophenol	13.093	196	23931	3.884	ng/ul	94
43) 1,1'-Biphenyl	13.410	154	105066	4.752	ng/ul	99
44) 2-Chloronaphthalene	13.457	162	83050	4.647	ng/ul	98
45) 2-Nitroaniline	13.716	65	16200	3.989	ng/ul	94
47) Dimethylphthalate	14.051	163	105370	4.746	ng/ul	98
48) 2,6-Dinitrotoluene	14.204	165	15259	3.734	ng/ul#	80
50) Acenaphthylene	14.310	152	133121	4.731	ng/ul	99
51) 3-Nitroaniline	14.557	138	12391m	3.188	ng/ul	
52) Acenaphthene	14.651	153	91017	4.785	ng/ul	99
53) 2,4-Dinitrophenol	14.769	184	12630	5.506	ng/ul	95
55) 4-Nitrophenol	14.851	109	13642m	4.015	ng/ul	
56) Dibenzofuran	14.993	168	129304	4.841	ng/ul	95
57) 2,4-Dinitrotoluene	14.998	165	25329	4.200	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.216	232	21150	3.868	ng/ul#	84
59) Diethylphthalate	15.416	149	99388	4.637	ng/ul	99
61) Fluorene	15.645	166	103505	4.718	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.640	204	51067	4.379	ng/ul	92
63) 4-Nitroaniline	15.734	138	13656m	3.896	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.751	198	15427	3.801	ng/ul#	67
67) N-Nitrosodiphenylamine	15.869	169	81760	4.691	ng/ul	99
68) 4-Bromophenyl-phenylether	16.551	248	26926	4.000	ng/ul#	85
69) Hexachlorobenzene	16.628	284	30813	3.988	ng/ul#	90
70) Atrazine	16.834	200	19429	3.033	ng/ul	96
71) Pentachlorophenol	17.010	266	23839	5.132	ng/ul	91
72) Phenanthrene	17.422	178	160675	4.768	ng/ul	98
74) Anthracene	17.516	178	153138	4.487	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.363	216	32726	3.391	ng/uL	96
76) Pentachlorobenzene	14.881	250	34056	3.641	ng/uL	96
77) Carbazole	17.816	167	118198	4.098	ng/ul	99
78) Di-n-butylphthalate	18.322	149	143882	4.296	ng/ul#	98
80) Fluoranthene	19.410	202	174423	4.946	ng/ul#	96
82) Pyrene	19.769	202	194097	5.195	ng/ul	97
83) Butylbenzylphthalate	20.639	149	55344	4.306	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.457	252	39629	3.582	ng/ul	94
85) Benzo(a)anthracene	21.504	228	169335	4.549	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.380	149	73173	4.079	ng/ul#	97
87) Chrysene	21.557	228	170777	4.852	ng/ul	99
89) Di-n-octyl phthalate	22.363	149	133376	4.472	ng/ul	100
90) Benzo(b)fluoranthene	23.280	252	155552	4.854	ng/ul	98
91) Benzo(k)fluoranthene	23.333	252	152203	4.686	ng/ul	98
93) Benzo(a)pyrene	23.963	252	147877	4.915	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.798	276	166112	4.633	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.821	278	137557	4.598	ng/ul	97
96) Benzo(g,h,i)perylene	27.645	276	138383	4.790	ng/ul#	95

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

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