Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP030921\
Data File : BP004953.D
Acq On : 09 Mar 2021 20:59
Operator : CG/JU
Sample : M1534-14
Misc : SOM-MDL-S-07
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MDL-SOIL-07

Manual Integrations APPROVED
mohammad
3/10/2021 11:54:42 AM

Quant Time: Mar 10 01:11:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP030921MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 09 15:13:30 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	28895	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	119239	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	81006	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.14	188	184533	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	213835	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	218599	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	3437	4.44	ng/uL	0.00
5) Phenol-d5	6.90	99	78981	34.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	45785	37.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	63790	35.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	62395	32.64	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	31369	35.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	35225	35.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	64035	33.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	82472	39.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	218988	36.74	ng/ul	0.00
47) Acenaphthylene-d8	14.07	160	256620	35.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.59	143	34622	33.80	ng/ul	0.00
58) Fluorene-d10	15.38	176	189919	37.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.50	200	37880	32.01	ng/ul	0.00
71) Anthracene-d10	17.24	188	300334	36.31	ng/ul	0.00
79) Pyrene-d10	19.48	212	353057	35.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	411028	36.77	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	1024	1.364	ng/uL#	71
4) Benzaldehyde	6.88	77	6677	5.680	ng/ul	99
6) Phenol	6.93	94	9316	3.850	ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.16	93	6911	3.870	ng/ul	97
10) 2-Chlorophenol	7.30	128	7338	3.961	ng/ul	93
11) 2-Methylphenol	8.18	108	6673	3.627	ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.26	45	7537	3.956	ng/ul	95
14) Acetophenone	8.56	105	12534	3.941	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.54	70	5921	3.914	ng/ul	99
16) 4-Methylphenol	8.50	108	7606	3.744	ng/ul	100
17) Hexachloroethane	8.80	117	3366	3.907	ng/ul	94
20) Nitrobenzene	8.93	77	9874	4.185	ng/ul	94
21) Isophorone	9.46	82	15590	3.871	ng/ul	96
23) 2-Nitrophenol	9.64	139	4476	4.259	ng/ul	93
24) 2,4-Dimethylphenol	9.70	107	9105	3.751	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.95	93	9287	3.810	ng/ul	92
27) 2,4-Dichlorophenol	10.18	162	7369	3.938	ng/ul	90
28) Naphthalene	10.57	128	25117	4.068	ng/ul	97
30) 4-Chloroaniline	10.69	127	9551	4.419	ng/ul	100
31) Hexachlorobutadiene	10.86	225	5795m	4.005	ng/ul	
32) Caprolactam	11.50	113	2053m	3.363	ng/ul	
33) 4-Chloro-3-methylphenol	11.82	107	7476	3.434	ng/ul#	92
34) 2-Methylnaphthalene	12.19	142	17083	3.825	ng/ul	92

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.41	142	16980	3.864 ng/ul	91
37) 1,2,4,5-Tetrachlorobenzene	12.56	216	10755	3.986 ng/ul	95
38) Hexachlorocyclopentadiene	12.55	237	6121	3.496 ng/ul	99
39) 2,4,6-Trichlorophenol	12.81	196	5587	3.474 ng/ul	93
40) 2,4,5-Trichlorophenol	12.89	196	5861	3.355 ng/ul	94
41) 1,1'-Biphenyl	13.22	154	23036	3.865 ng/ul	96
42) 2-Chloronaphthalene	13.25	162	17831	3.816 ng/ul	95
43) 2-Nitroaniline	13.47	65	4638	3.419 ng/ul	86
45) Dimethylphthalate	13.84	163	24742	4.053 ng/ul	99
46) 2,6-Dinitrotoluene	13.96	165	4316	3.527 ng/ul#	92
48) Acenaphthylene	14.10	152	28255	4.110 ng/ul	94
49) 3-Nitroaniline	14.30	138	3826	3.538 ng/ul#	83
50) Acenaphthene	14.45	153	19560	3.870 ng/ul	95
51) 2,4-Dinitrophenol	14.51	184	1987	2.456 ng/ul	93
53) 4-Nitrophenol	14.60	109	4575	3.997 ng/ul	91
54) Dibenzofuran	14.79	168	28166	3.824 ng/ul	92
55) 2,4-Dinitrotoluene	14.76	165	6231	3.510 ng/ul#	91
56) 2,3,4,6-Tetrachlorophenol	15.01	232	5596	3.374 ng/ul#	86
57) Diethylphthalate	15.22	149	24064	3.854 ng/ul	98
59) Fluorene	15.43	166	24897	4.046 ng/ul	99
60) 4-Chlorophenyl-phenylether	15.43	204	13153	3.889 ng/ul	93
61) 4-Nitroaniline	15.46	138	3895	3.086 ng/ul#	73
64) 4,6-Dinitro-2-methylphenol	15.52	198	4691	3.901 ng/ul#	81
65) N-Nitrosodiphenylamine	15.65	169	20242	3.901 ng/ul	99
66) 4-Bromophenyl-phenylether	16.33	248	7770	3.814 ng/ul	96
67) Hexachlorobenzene	16.44	284	9245	4.020 ng/ul	96
68) Atrazine	16.60	200	7152	3.431 ng/ul	94
69) Pentachlorophenol	16.79	266	3966m	2.726 ng/ul	
70) Phenanthrene	17.18	178	38978	3.967 ng/ul	94
72) Anthracene	17.27	178	39043	3.873 ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.17	216	10860	4.055 ng/uL	94
74) Pentachlorobenzene	14.70	250	10407	3.824 ng/uL	96
75) Carbazole	17.55	167	31908	3.676 ng/ul	99
76) Di-n-butylphthalate	18.11	149	35815	3.536 ng/ul#	95
77) Fluoranthene	19.16	202	44919	3.743 ng/ul	98
80) Pyrene	19.51	202	49523	3.871 ng/ul	98
81) Butylbenzylphthalate	20.39	149	15140	3.263 ng/ul	90
82) 3,3'-Dichlorobenzidine	21.15	252	15144	3.448 ng/ul#	97
83) Benzo(a)anthracene	21.22	228	51474	3.976 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.15	149	22541	3.237 ng/ul#	98
85) Chrysene	21.26	228	50522	3.982 ng/ul	98
87) Di-n-octyl phthalate	22.03	149	39545	3.058 ng/ul	100
88) Benzo(b)fluoranthene	22.82	252	51623	3.760 ng/ul	94
89) Benzo(k)fluoranthene	22.87	252	51132	3.775 ng/ul	99
91) Benzo(a)pyrene	23.42	252	47478	3.939 ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.86	276	57605	3.741 ng/ul	97
93) Dibenzo(a,h)anthracene	25.87	278	49466	3.797 ng/ul	96
94) Benzo(g,h,i)perylene	26.57	276	47196	3.701 ng/ul	96

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

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