Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP030321\
Data File : BP004897.D
Acq On : 03 Mar 2021 17:08
Operator : CG/JU
Sample : M1534-09
Misc : SOM-MDL-S-02
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : MDL-SOIL-02

Manual Integrations APPROVED
mohammad
3/4/2021 11:33:36 AM

Quant Time: Mar 03 17:40:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP030221MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 03 10:35:24 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	22210	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	89223	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	57304	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.15	188	128620	20.00	ng/ul	-0.01
78) Chrysene-d12	21.24	240	146116	20.00	ng/ul	-0.01
86) Perylene-d12	23.53	264	149319	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	2697	4.78	ng/uL	0.00
5) Phenol-d5	6.92	99	66827	36.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	37894	40.40	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.28	132	54045	38.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	54053	37.51	ng/ul	-0.01
19) Nitrobenzene-d5	8.90	128	26231	40.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	29018	39.76	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.16	165	51816	37.55	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.68	131	68583	43.48	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	170937	40.77	ng/ul	-0.01
47) Acenaphthylene-d8	14.09	160	204470	39.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	26944	35.93	ng/ul	-0.01
58) Fluorene-d10	15.39	176	150938	42.35	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.51	200	29508	35.18	ng/ul	-0.01
71) Anthracene-d10	17.25	188	231294	39.65	ng/ul	0.00
79) Pyrene-d10	19.49	212	271808	39.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	315747	41.26	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.26	88	833	1.356	ng/uL#	82
4) Benzaldehyde	6.89	77	5154	5.575	ng/ul	96
6) Phenol	6.95	94	7598	3.996	ng/ul#	91
8) Bis(2-Chloroethyl)ether	7.17	93	5847	4.178	ng/ul	92
10) 2-Chlorophenol	7.30	128	5813	3.978	ng/ul	95
11) 2-Methylphenol	8.19	108	5367	3.785	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.28	45	3397	3.755	ng/ul#	86
14) Acetophenone	8.56	105	9300	3.903	ng/ul#	92
15) N-Nitroso-di-n-propylamine	8.55	70	4667	4.049	ng/ul	96
16) 4-Methylphenol	8.52	108	5846	3.831	ng/ul	87
17) Hexachloroethane	8.81	117	2442	3.796	ng/ul#	75
20) Nitrobenzene	8.94	77	7342	4.166	ng/ul#	96
21) Isophorone	9.47	82	11042	3.663	ng/ul#	90
23) 2-Nitrophenol	9.65	139	3441	4.191	ng/ul	95
24) 2,4-Dimethylphenol	9.72	107	6931	3.802	ng/ul	95
25) Bis(2-Chloroethoxy)methane	9.95	93	7010	3.851	ng/ul#	85
27) 2,4-Dichlorophenol	10.18	162	5661	3.987	ng/ul	95
28) Naphthalene	10.58	128	18759	3.973	ng/ul#	94
30) 4-Chloroaniline	10.70	127	7706	4.739	ng/ul	90
31) Hexachlorobutadiene	10.87	225	4442	4.271	ng/ul	92
32) Caprolactam	11.51	113	1713m	3.714	ng/ul	
33) 4-Chloro-3-methylphenol	11.83	107	5878	3.636	ng/ul	98
34) 2-Methylnaphthalene	12.20	142	12957	3.857	ng/ul	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.42	142	12512	3.833	ng/ul#	99
37) 1,2,4,5-Tetrachlorobenzene	12.57	216	7642	4.160	ng/ul	89
38) Hexachlorocyclopentadiene	12.55	237	3764	3.215	ng/ul#	87
39) 2,4,6-Trichlorophenol	12.82	196	3963	3.444	ng/ul	87
40) 2,4,5-Trichlorophenol	12.89	196	4640	3.763	ng/ul	92
41) 1,1'-Biphenyl	13.22	154	17461	4.070	ng/ul	95
42) 2-Chloronaphthalene	13.26	162	13839	4.104	ng/ul	93
43) 2-Nitroaniline	13.47	65	3052	3.163	ng/ul	89
45) Dimethylphthalate	13.85	163	17912	4.157	ng/ul	99
46) 2,6-Dinitrotoluene	13.97	165	3065	3.557	ng/ul	92
48) Acenaphthylene	14.11	152	19715	4.012	ng/ul	96
49) 3-Nitroaniline	14.31	138	2887	3.669	ng/ul#	91
50) Acenaphthene	14.46	153	14961	4.193	ng/ul	95
51) 2,4-Dinitrophenol	14.52	184	1354	2.443	ng/ul#	79
53) 4-Nitrophenol	14.62	109	3149	3.868	ng/ul	94
54) Dibenzofuran	14.79	168	20250	3.921	ng/ul#	86
55) 2,4-Dinitrotoluene	14.76	165	4802	3.782	ng/ul	98
56) 2,3,4,6-Tetrachlorophenol	15.02	232	4274	3.925	ng/ul#	93
57) Diethylphthalate	15.22	149	17172	3.940	ng/ul	96
59) Fluorene	15.45	166	17420	4.045	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.45	204	9608	4.235	ng/ul	97
61) 4-Nitroaniline	15.47	138	3035	3.376	ng/ul#	86
64) 4,6-Dinitro-2-methylphenol	15.52	198	3285	3.865	ng/ul#	70
65) N-Nitrosodiphenylamine	15.66	169	14249	3.773	ng/ul	97
66) 4-Bromophenyl-phenylether	16.34	248	5407	3.974	ng/ul	91
67) Hexachlorobenzene	16.45	284	6391	4.092	ng/ul	98
68) Atrazine	16.62	200	4992	3.372	ng/ul#	83
69) Pentachlorophenol	16.80	266	2826	2.953	ng/ul	92
70) Phenanthrene	17.19	178	28083	4.017	ng/ul	97
72) Anthracene	17.29	178	29074	4.074	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	13.18	216	7973	4.164	ng/uL	97
74) Pentachlorobenzene	14.71	250	7543	4.044	ng/uL	93
75) Carbazole	17.56	167	23398	3.728	ng/ul	98
76) Di-n-butylphthalate	18.12	149	25150	3.390	ng/ul	98
77) Fluoranthene	19.17	202	32074	3.825	ng/ul#	97
80) Pyrene	19.52	202	35808	3.967	ng/ul	98
81) Butylbenzylphthalate	20.40	149	11171	3.172	ng/ul	96
82) 3,3'-Dichlorobenzidine	21.16	252	11076	3.640	ng/ul	97
83) Benzo(a)anthracene	21.22	228	35984	3.986	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.15	149	16332	3.104	ng/ul	98
85) Chrysene	21.27	228	35443	4.029	ng/ul	99
87) Di-n-octyl phthalate	22.04	149	30080	2.993	ng/ul	100
88) Benzo(b)fluoranthene	22.83	252	36886	3.885	ng/ul	96
89) Benzo(k)fluoranthene	22.88	252	37069	3.948	ng/ul	97
91) Benzo(a)pyrene	23.43	252	34074	4.088	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.89	276	42227	3.958	ng/ul	96
93) Dibenzo(a,h)anthracene	25.90	278	35547	3.917	ng/ul	99
94) Benzo(g,h,i)perylene	26.60	276	34873	3.926	ng/ul	97

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

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