Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031721\
Data File : VD068636.D
Acq On : 17 Mar 2021 14:30
Operator : VA/SY
Sample : M1458-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2021

Manual Integrations APPROVED
MMDadoda
3/18/2021 2:18:00 PM

Quant Time: Mar 18 01:29:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 18 01:28:36 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	230988	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	406003	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.644	117	366386	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	193720	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.332	65	112774	48.86	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.72%				
35) Dibromofluoromethane	7.914	113	121887	49.84	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.68%				
50) Toluene-d8	10.344	98	456494	46.86	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.72%				
62) 4-Bromofluorobenzene	12.632	95	151369	48.21	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	6329	2.82	ug/l	#	69
3) Chloromethane	2.209	50	8633	3.05	ug/l		94
4) Vinyl Chloride	2.350	62	9685	2.88	ug/l		97
5) Bromomethane	2.773	94	8168	3.41	ug/l		91
6) Chloroethane	2.920	64	6212	2.86	ug/l		95
7) Trichlorofluoromethane	3.279	101	11621	3.03	ug/l		94
8) Diethyl Ether	3.709	74	2949	2.58	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.103	101	7113	3.04	ug/l	#	89
10) Methyl Iodide	4.309	142	5695	2.29	ug/l		91
11) Tert butyl alcohol	5.226	59	1145m	9.29	ug/l		
12) 1,1-Dichloroethene	4.067	96	7040	3.03	ug/l		92
13) Acrolein	3.920	56	1735	9.85	ug/l	#	49
14) Allyl chloride	4.715	41	7027	2.35	ug/l	#	81
15) Acrylonitrile	5.426	53	6826	14.16	ug/l		92
16) Acetone	4.162	43	4799	13.09	ug/l	#	85
17) Carbon Disulfide	4.409	76	19926	2.62	ug/l		98
18) Methyl Acetate	4.709	43	2270m	2.40	ug/l		
19) Methyl tert-butyl Ether	5.479	73	13480	2.68	ug/l		95
20) Methylene Chloride	4.962	84	17785	5.72	ug/l		86
21) trans-1,2-Dichloroethene	5.467	96	9125	3.29	ug/l		86
22) Diisopropyl ether	6.367	45	13971	2.12	ug/l	#	95
23) Vinyl Acetate	6.303	43	34939	10.21	ug/l		100
24) 1,1-Dichloroethane	6.267	63	12659	2.80	ug/l	#	93
25) 2-Butanone	7.220	43	6441	12.22	ug/l	#	87
26) 2,2-Dichloropropane	7.208	77	11006	2.92	ug/l		98
27) cis-1,2-Dichloroethene	7.214	96	7681	2.53	ug/l		96
28) Bromochloromethane	7.538	49	4347	2.46	ug/l	#	94
29) Tetrahydrofuran	7.567	42	4079	11.92	ug/l		93
30) Chloroform	7.714	83	12998	2.72	ug/l	#	81
31) Cyclohexane	7.979	56	14410	3.43	ug/l	#	72
32) 1,1,1-Trichloroethane	7.903	97	12390	3.04	ug/l		92
36) 1,1-Dichloropropene	8.108	75	11315	2.93	ug/l		94
37) Ethyl Acetate	7.303	43	2943m	2.30	ug/l		
38) Carbon Tetrachloride	8.091	117	9328	2.57	ug/l		97
39) Methylcyclohexane	9.361	83	12047	2.53	ug/l		90
40) Benzene	8.350	78	29864	2.70	ug/l		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.514	41	1487	2.00	ug/l	#	69
42) 1,2-Dichloroethane	8.420	62	7450	2.56	ug/l		90
43) Isopropyl Acetate	8.450	43	5028	2.14	ug/l	#	71
44) Trichloroethene	9.114	130	8619	2.84	ug/l		92
45) 1,2-Dichloropropane	9.385	63	6880	2.60	ug/l	#	85
46) Dibromomethane	9.473	93	3791	2.63	ug/l		91
47) Bromodichloromethane	9.661	83	9879	2.65	ug/l	#	85
48) Methyl methacrylate	9.444	41	2944	2.35	ug/l	#	93
49) 1,4-Dioxane	9.467	88	710	43.24	ug/l	#	65
51) 4-Methyl-2-Pentanone	10.226	43	13775	11.19	ug/l		92
52) Toluene	10.402	92	18860	2.67	ug/l		93
53) t-1,3-Dichloropropene	10.620	75	8499	2.47	ug/l	#	81
54) cis-1,3-Dichloropropene	10.091	75	10319	2.46	ug/l	#	89
55) 1,1,2-Trichloroethane	10.802	97	5975	3.00	ug/l	#	86
56) Ethyl methacrylate	10.661	69	4989	2.18	ug/l	#	85
57) 1,3-Dichloropropane	10.944	76	8740	2.51	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.938	63	15161	13.20	ug/l		90
59) 2-Hexanone	10.985	43	9536	11.62	ug/l		90
60) Dibromochloromethane	11.138	129	6016	2.44	ug/l		96
61) 1,2-Dibromoethane	11.244	107	4750	2.44	ug/l		99
64) Tetrachloroethene	10.879	164	7589	3.17	ug/l		88
65) Chlorobenzene	11.667	112	19944	2.67	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.744	131	7471	2.88	ug/l		92
67) Ethyl Benzene	11.744	91	33389	2.51	ug/l		94
68) m/p-Xylenes	11.855	106	25027	4.95	ug/l		95
69) o-Xylene	12.179	106	11505	2.47	ug/l		90
70) Styrene	12.191	104	17676	2.22	ug/l		98
71) Bromoform	12.355	173	3306	2.51	ug/l	#	82
73) Isopropylbenzene	12.479	105	31254	2.18	ug/l		99
74) N-amyl acetate	12.291	43	4352	1.78	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.732	83	5139	2.08	ug/l		92
76) 1,2,3-Trichloropropane	12.785	75	4188m	2.44	ug/l		
77) Bromobenzene	12.755	156	8060	2.46	ug/l		88
78) n-propylbenzene	12.820	91	41043	2.39	ug/l		99
79) 2-Chlorotoluene	12.908	91	24935	2.62	ug/l		91
80) 1,3,5-Trimethylbenzene	12.955	105	27361	2.32	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.520	75	1573m	2.13	ug/l		
82) 4-Chlorotoluene	12.996	91	25320	2.53	ug/l		97
83) tert-Butylbenzene	13.220	119	24492	2.44	ug/l		97
84) 1,2,4-Trimethylbenzene	13.261	105	26576	2.25	ug/l		100
85) sec-Butylbenzene	13.402	105	34220	2.42	ug/l		100
86) p-Isopropyltoluene	13.514	119	29199	2.27	ug/l		98
87) 1,3-Dichlorobenzene	13.514	146	16650	2.63	ug/l		97
88) 1,4-Dichlorobenzene	13.591	146	18875	3.01	ug/l		91
89) n-Butylbenzene	13.838	91	30863	2.49	ug/l		94
90) Hexachloroethane	14.108	117	6249	2.45	ug/l		91
91) 1,2-Dichlorobenzene	13.885	146	15023	2.77	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1029	2.36	ug/l		76
93) 1,2,4-Trichlorobenzene	15.155	180	9929	2.37	ug/l		97
94) Hexachlorobutadiene	15.261	225	6385	2.74	ug/l		98
95) Naphthalene	15.396	128	16762	2.21	ug/l	#	95
96) 1,2,3-Trichlorobenzene	15.585	180	8624	2.37	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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