Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031721\
Data File : VD068638.D
Acq On : 17 Mar 2021 15:25
Operator : VA/SY
Sample : M1458-02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations APPROVED
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3/18/2021 2:18:05 PM

Quant Time: Mar 18 01:30:33 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	7.985	168	226455	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	391274	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.643	117	366470	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.572	152	194673	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.332	65	108621	48.01	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.02%				
35) Dibromofluoromethane	7.914	113	117421	49.82	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.64%				
50) Toluene-d8	10.343	98	437347	46.58	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.16%				
62) 4-Bromofluorobenzene	12.631	95	147944	48.90	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	11373	5.18	ug/l		80
3) Chloromethane	2.208	50	15192	5.47	ug/l		92
4) Vinyl Chloride	2.350	62	18424	5.59	ug/l		96
5) Bromomethane	2.767	94	14091	6.00	ug/l		98
6) Chloroethane	2.926	64	11354	5.32	ug/l		90
7) Trichlorofluoromethane	3.273	101	22834	6.07	ug/l		94
8) Diethyl Ether	3.714	74	5981	5.34	ug/l		89
9) 1,1,2-Trichlorotrifluo...	4.091	101	12917	5.64	ug/l		96
10) Methyl Iodide	4.302	142	10861	4.46	ug/l		96
11) Tert butyl alcohol	5.214	59	5609m	46.43	ug/l		
12) 1,1-Dichloroethene	4.067	96	12655	5.56	ug/l	#	83
13) Acrolein	3.932	56	3611	20.91	ug/l		99
14) Allyl chloride	4.720	41	15766	5.37	ug/l		92
15) Acrylonitrile	5.432	53	13800	29.19	ug/l		99
16) Acetone	4.161	43	10023	27.89	ug/l		94
17) Carbon Disulfide	4.408	76	40506	5.44	ug/l		100
18) Methyl Acetate	4.732	43	5500	5.94	ug/l	#	65
19) Methyl tert-butyl Ether	5.485	73	28717	5.82	ug/l	#	89
20) Methylene Chloride	4.973	84	25424	8.34	ug/l		95
21) trans-1,2-Dichloroethene	5.461	96	16650	6.13	ug/l		86
22) Diisopropyl ether	6.361	45	32071	4.96	ug/l	#	92
23) Vinyl Acetate	6.308	43	75056	22.37	ug/l		99
24) 1,1-Dichloroethane	6.273	63	24680	5.57	ug/l		98
25) 2-Butanone	7.220	43	13543	26.21	ug/l	#	85
26) 2,2-Dichloropropane	7.208	77	21613	5.85	ug/l		98
27) cis-1,2-Dichloroethene	7.208	96	15422	5.17	ug/l		92
28) Bromochloromethane	7.549	49	9795	5.66	ug/l	#	79
29) Tetrahydrofuran	7.567	42	7991	23.82	ug/l		93
30) Chloroform	7.714	83	27198	5.81	ug/l		100
31) Cyclohexane	7.985	56	23908	5.81	ug/l	#	95
32) 1,1,1-Trichloroethane	7.902	97	22593	5.66	ug/l		93
36) 1,1-Dichloropropene	8.114	75	20366	5.48	ug/l		97
37) Ethyl Acetate	7.285	43	5855	4.74	ug/l	#	87
38) Carbon Tetrachloride	8.096	117	20326	5.82	ug/l		86
39) Methylcyclohexane	9.355	83	23417	5.11	ug/l		91
40) Benzene	8.349	78	58425	5.48	ug/l		93

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41) Methacrylonitrile	7.526	41	3454m	4.82	ug/l		
42) 1,2-Dichloroethane	8.426	62	16294	5.81	ug/l		99
43) Isopropyl Acetate	8.449	43	12257	5.40	ug/l		97
44) Trichloroethene	9.114	130	17019	5.81	ug/l		98
45) 1,2-Dichloropropane	9.390	63	14089	5.52	ug/l		97
46) Dibromomethane	9.479	93	7598	5.48	ug/l		92
47) Bromodichloromethane	9.667	83	19880	5.54	ug/l	#	94
48) Methyl methacrylate	9.455	41	5996	4.96	ug/l		98
49) 1,4-Dioxane	9.473	88	1611	101.81	ug/l	#	45
51) 4-Methyl-2-Pentanone	10.231	43	30559	25.75	ug/l		94
52) Toluene	10.402	92	37520	5.51	ug/l		94
53) t-1,3-Dichloropropene	10.620	75	17766	5.36	ug/l		92
54) cis-1,3-Dichloropropene	10.090	75	22075	5.45	ug/l		93
55) 1,1,2-Trichloroethane	10.802	97	10845	5.65	ug/l		96
56) Ethyl methacrylate	10.661	69	11236	5.09	ug/l	#	93
57) 1,3-Dichloropropane	10.949	76	18247	5.44	ug/l		93
58) 2-Chloroethyl Vinyl ether	9.943	63	30318	27.38	ug/l		97
59) 2-Hexanone	10.984	43	20127	25.44	ug/l		97
60) Dibromochloromethane	11.137	129	13853	5.83	ug/l		92
61) 1,2-Dibromoethane	11.249	107	10347	5.51	ug/l		97
64) Tetrachloroethene	10.879	164	14603	6.10	ug/l		90
65) Chlorobenzene	11.667	112	40007	5.36	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.743	131	14475	5.58	ug/l		97
67) Ethyl Benzene	11.743	91	68108	5.11	ug/l		93
68) m/p-Xylenes	11.849	106	53293	10.53	ug/l		95
69) o-Xylene	12.178	106	23271	4.99	ug/l		99
70) Styrene	12.190	104	41236	5.17	ug/l		97
71) Bromoform	12.361	173	7138	5.42	ug/l	#	99
73) Isopropylbenzene	12.478	105	64036	4.44	ug/l		99
74) N-amyl acetate	12.284	43	10191	4.14	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.725	83	12117	4.88	ug/l		95
76) 1,2,3-Trichloropropane	12.778	75	8695m	5.03	ug/l		
77) Bromobenzene	12.761	156	17681	5.37	ug/l		98
78) n-propylbenzene	12.820	91	83193	4.82	ug/l		100
79) 2-Chlorotoluene	12.902	91	47590	4.97	ug/l		98
80) 1,3,5-Trimethylbenzene	12.955	105	57278	4.84	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.525	75	3298	4.45	ug/l		96
82) 4-Chlorotoluene	13.002	91	49939	4.96	ug/l		97
83) tert-Butylbenzene	13.220	119	45795	4.55	ug/l		97
84) 1,2,4-Trimethylbenzene	13.267	105	54794	4.62	ug/l		95
85) sec-Butylbenzene	13.402	105	69235	4.86	ug/l		97
86) p-Isopropyltoluene	13.514	119	63089	4.88	ug/l		100
87) 1,3-Dichlorobenzene	13.514	146	36078	5.67	ug/l		98
88) 1,4-Dichlorobenzene	13.590	146	36200	5.74	ug/l		97
89) n-Butylbenzene	13.837	91	60839	4.88	ug/l		97
90) Hexachloroethane	14.108	117	11060	4.31	ug/l		93
91) 1,2-Dichlorobenzene	13.884	146	30575	5.60	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2240	5.12	ug/l		82
93) 1,2,4-Trichlorobenzene	15.161	180	19755	4.69	ug/l		98
94) Hexachlorobutadiene	15.261	225	10943	4.68	ug/l		95
95) Naphthalene	15.396	128	32002	4.19	ug/l		98
96) 1,2,3-Trichlorobenzene	15.584	180	18126	4.97	ug/l		89

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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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