Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
Data File : VD069142.D
Acq On : 12 May 2021 17:59
Operator : VA/SY
Sample : M2262-01 2.5PPBLOD
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations APPROVED
MMDadoda
5/13/2021 4:06:05 PM

Quant Time: May 13 04:37:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:37:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.985	168	278057	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	490047	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.643	117	463751	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	207610	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.332	65	158375	56.82	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.64%				
35) Dibromofluoromethane	7.920	113	163246	51.19	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.38%				
50) Toluene-d8	10.337	98	606372	51.75	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.50%				
62) 4-Bromofluorobenzene	12.631	95	184237	48.86	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	9090	3.07	ug/l		97
3) Chloromethane	2.208	50	11408	3.36	ug/l	#	85
4) Vinyl Chloride	2.350	62	12092	2.70	ug/l		96
5) Bromomethane	2.773	94	9928	2.95	ug/l		92
6) Chloroethane	2.920	64	6662	2.31	ug/l	#	63
7) Trichlorofluoromethane	3.273	101	20831	3.81	ug/l		88
8) Diethyl Ether	3.708	74	5149	4.13	ug/l		84
9) 1,1,2-Trichlorotrifluo...	4.102	101	10794	3.49	ug/l		97
10) Methyl Iodide	4.302	142	7430	2.52	ug/l	#	43
11) Tert butyl alcohol	5.173	59	9769m	51.28	ug/l		
12) 1,1-Dichloroethene	4.067	96	10572	3.80	ug/l		91
13) Acrolein	3.932	56	3787	16.70	ug/l		87
14) Allyl chloride	4.720	41	8637	2.83	ug/l		96
15) Acrylonitrile	5.414	53	6527	14.02	ug/l	#	47
16) Acetone	4.167	43	9660	22.63	ug/l	#	82
17) Carbon Disulfide	4.420	76	27521	2.98	ug/l		97
18) Methyl Acetate	4.726	43	3212	3.10	ug/l	#	67
19) Methyl tert-butyl Ether	5.473	73	13695	2.71	ug/l		99
20) Methylene Chloride	4.973	84	45849	10.14	ug/l		96
21) trans-1,2-Dichloroethene	5.479	96	9579	2.90	ug/l		97
22) Diisopropyl ether	6.361	45	15425	2.53	ug/l	#	86
23) Vinyl Acetate	6.302	43	40108m	11.15	ug/l		
24) 1,1-Dichloroethane	6.267	63	15614	2.97	ug/l	#	94
25) 2-Butanone	7.208	43	8963	15.49	ug/l		99
26) 2,2-Dichloropropane	7.214	77	15729	3.19	ug/l		91
27) cis-1,2-Dichloroethene	7.214	96	10182	2.84	ug/l		98
28) Bromochloromethane	7.549	49	6030	3.21	ug/l	#	97
29) Tetrahydrofuran	7.567	42	3902	12.41	ug/l		92
30) Chloroform	7.720	83	17332	2.92	ug/l		88
31) Cyclohexane	7.985	56	15163	3.67	ug/l	#	65
32) 1,1,1-Trichloroethane	7.902	97	16639	3.09	ug/l		93
36) 1,1-Dichloropropene	8.114	75	13368	2.81	ug/l		96
37) Ethyl Acetate	7.291	43	5534	3.62	ug/l	#	85
38) Carbon Tetrachloride	8.096	117	13749	2.58	ug/l	#	80
39) Methylcyclohexane	9.355	83	12492	2.49	ug/l	#	86
40) Benzene	8.355	78	37935	2.78	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	1835	2.25	ug/l	#	85
42) 1,2-Dichloroethane	8.432	62	10967	2.94	ug/l	#	72
43) Isopropyl Acetate	8.455	43	7607	2.74	ug/l	#	75
44) Trichloroethene	9.114	130	10973	2.88	ug/l		74
45) 1,2-Dichloropropane	9.390	63	8872	2.75	ug/l		93
46) Dibromomethane	9.485	93	5052	2.62	ug/l		94
47) Bromodichloromethane	9.667	83	12918	2.64	ug/l		93
48) Methyl methacrylate	9.455	41	3215	2.50	ug/l	#	93
49) 1,4-Dioxane	9.467	88	996	55.00	ug/l	#	46
51) 4-Methyl-2-Pentanone	10.226	43	18136	12.68	ug/l		98
52) Toluene	10.402	92	25388	2.88	ug/l		99
53) t-1,3-Dichloropropene	10.620	75	10361	2.41	ug/l		98
54) cis-1,3-Dichloropropene	10.085	75	13312	2.59	ug/l		98
55) 1,1,2-Trichloroethane	10.796	97	7589	2.92	ug/l	#	80
56) Ethyl methacrylate	10.661	69	5351	2.06	ug/l	#	84
57) 1,3-Dichloropropane	10.949	76	11030	2.63	ug/l		89
58) 2-Chloroethyl Vinyl ether	9.943	63	14696	11.44	ug/l		99
59) 2-Hexanone	10.984	43	10789	11.31	ug/l		100
60) Dibromochloromethane	11.137	129	8684	2.61	ug/l		98
61) 1,2-Dibromoethane	11.243	107	7449	2.90	ug/l		90
64) Tetrachloroethene	10.879	164	9561	2.97	ug/l		88
65) Chlorobenzene	11.667	112	26451	2.75	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.743	131	8683	2.40	ug/l		95
67) Ethyl Benzene	11.743	91	39659	2.40	ug/l		98
68) m/p-Xylenes	11.849	106	29613	4.57	ug/l		98
69) o-Xylene	12.179	106	13003	2.26	ug/l		95
70) Styrene	12.196	104	20355	2.02	ug/l		97
71) Bromoform	12.355	173	4481	2.38	ug/l	#	99
73) Isopropylbenzene	12.479	105	32694	2.25	ug/l		99
74) N-amyl acetate	12.284	43	5440	2.29	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	12.731	83	8012	3.05	ug/l		98
76) 1,2,3-Trichloropropane	12.778	75	4572m	2.93	ug/l		
77) Bromobenzene	12.761	156	9109	2.65	ug/l		80
78) n-propylbenzene	12.814	91	45893	2.62	ug/l		100
79) 2-Chlorotoluene	12.902	91	26046	2.67	ug/l		97
80) 1,3,5-Trimethylbenzene	12.955	105	29102	2.43	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.526	75	1963m	2.54	ug/l		
82) 4-Chlorotoluene	13.002	91	26498	2.55	ug/l		98
83) tert-Butylbenzene	13.220	119	23747	2.38	ug/l		95
84) 1,2,4-Trimethylbenzene	13.267	105	27198	2.26	ug/l		99
85) sec-Butylbenzene	13.396	105	35234	2.35	ug/l		99
86) p-Isopropyltoluene	13.514	119	29223	2.22	ug/l		98
87) 1,3-Dichlorobenzene	13.508	146	19522	2.80	ug/l		96
88) 1,4-Dichlorobenzene	13.590	146	20622	2.99	ug/l		89
89) n-Butylbenzene	13.837	91	31804	2.59	ug/l		92
90) Hexachloroethane	14.108	117	6974	2.83	ug/l		100
91) 1,2-Dichlorobenzene	13.884	146	16557	2.77	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.502	75	1416	3.47	ug/l		79
93) 1,2,4-Trichlorobenzene	15.155	180	10514	2.87	ug/l		94
94) Hexachlorobutadiene	15.261	225	6455	2.93	ug/l		96
95) Naphthalene	15.390	128	15580	2.54	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.590	180	8590	2.74	ug/l		98

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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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