Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110220\
Data File : VX019217.D
Acq On : 02 Nov 2020 17:26
Operator : JC/MD
Sample : L4485-16 2.5PPB MDL
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL-ME-SOIL-02

Quant Time: Nov 03 07:26:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 02 14:52:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	444235	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	409263	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	179471	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	179618	46.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 93.94%			
7) Chloroethane-d5	1.70	69	141323	49.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.54%			
11) 1,1-Dichloroethene-d2	2.34	63	240076	38.05	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.10%			
21) 2-Butanone-d5	4.53	46	200269	102.64	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.64%			
24) Chloroform-d	5.14	84	291688	46.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.66%			
26) 1,2-Dichloroethane-d4	6.03	65	202549	45.77	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.54%			
32) Benzene-d6	6.05	84	623720	49.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.18%			
36) 1,2-Dichloropropane-d6	7.37	67	189221	50.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.90%			
41) Toluene-d8	8.70	98	577728	44.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.58%			
43) trans-1,3-Dichloropropene-	8.99	79	96162	48.33	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.66%			
47) 2-Hexanone-d5	9.43	63	162106	104.62	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.62%			
56) 1,1,2,2-Tetrachloroethane-	11.23	84	216024	48.81	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.62%			
66) 1,2-Dichlorobenzene-d4	12.36	152	180542	50.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	6693	2.377	ug/L	100
3) Chloromethane	1.31	50	7067	2.471	ug/L	98
5) Vinyl chloride	1.39	62	8410	2.608	ug/L #	64
6) Bromomethane	1.64	94	5518	2.590	ug/L	96
8) Chloroethane	1.72	64	5251	2.613	ug/L	100
9) Trichlorofluoromethane	1.92	101	11499	2.404	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8467	3.069	ug/L #	79
12) 1,1-Dichloroethene	2.36	96	8052	3.008	ug/L #	1
13) Acetone	2.43	43	5281	4.380	ug/L	95
14) Carbon disulfide	2.56	76	18609	2.303	ug/L	99
15) Methyl Acetate	2.75	43	7305	2.776	ug/L	97
16) Methylene chloride	2.84	84	7998	2.679	ug/L	95
17) trans-1,2-Dichloroethene	3.14	96	6788	2.359	ug/L	99
18) Methyl tert-butyl Ether	3.17	73	20890	2.296	ug/L	96
19) 1,1-Dichloroethane	3.67	63	11960	2.339	ug/L	96
20) cis-1,2-Dichloroethene	4.56	96	7482	2.367	ug/L	100
22) 2-Butanone	4.65	43	7908	4.153	ug/L	95

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Instrument : MSVOA_X
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.98	128	3770	2.368 ug/L	92
25) Chloroform	5.18	83	22075	4.112 ug/L	96
27) 1,2-Dichloroethane	6.16	62	10546	2.495 ug/L #	92
29) Cyclohexane	5.55	56	10892	2.312 ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	11129	2.256 ug/L	99
31) Carbon tetrachloride	5.76	117	9426	2.224 ug/L	98
33) Benzene	6.11	78	28029	2.385 ug/L	100
34) Trichloroethene	7.19	95	7390	2.304 ug/L	93
35) Methylcyclohexane	7.43	83	11150	2.197 ug/L	99
37) 1,2-Dichloropropane	7.48	63	6650	2.279 ug/L #	97
38) Bromodichloromethane	7.87	83	9013	2.221 ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	11247	2.319 ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	17209	4.821 ug/L	99
42) Toluene	8.76	91	37872	2.963 ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	11153	2.361 ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	6679	2.330 ug/L	97
46) Tetrachloroethene	9.32	164	5892	2.435 ug/L	93
48) 2-Hexanone	9.47	43	15429	5.486 ug/L	97
49) Dibromochloromethane	9.56	129	6715	2.141 ug/L	96
50) 1,2-Dibromoethane	9.65	107	6806	2.270 ug/L	98
51) Chlorobenzene	10.12	112	18601	2.340 ug/L	97
52) Ethylbenzene	10.23	91	31884	2.308 ug/L	99
53) m,p-Xylene	10.34	106	12052	2.322 ug/L	92
54) o-Xylene	10.68	106	11084	2.205 ug/L	95
55) Styrene	10.70	104	17154	2.023 ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	9714	2.472 ug/L #	99
59) Bromoform	10.84	173	3891	2.001 ug/L	99
60) Isopropylbenzene	11.00	105	29691	2.438 ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	7801	2.552 ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	23040	2.299 ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	22115	2.333 ug/L	97
64) 1,3-Dichlorobenzene	12.01	146	11967	2.276 ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	12574	2.356 ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	12790	2.512 ug/L	92
68) 1,2-Dibromo-3-chloropropan	12.98	75	2008	2.412 ug/L #	85
69) 1,3,5-Trichlorobenzene	13.15	180	8433	2.290 ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	7597	2.238 ug/L	97
71) Naphthalene	13.82	128	23422	2.134 ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7183	2.163 ug/L	96

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

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