Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031620\
Data File : VV014963.D
Acq On : 16 Mar 2020 22:09
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Manual Integrations APPROVED
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3/18/2020 3:12:32 PM

Quant Time: Mar 18 05:27:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	376039	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	370208	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	197969	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	118083	47.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.28%			
7) Chloroethane-d5	1.58	69	92930	49.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.88%			
11) 1,1-Dichloroethene-d2	2.12	63	183637	47.78	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.56%			
21) 2-Butanone-d5	3.93	46	149571	97.92	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.92%			
24) Chloroform-d	4.38	84	256550	49.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.30%			
26) 1,2-Dichloroethane-d4	5.06	65	159767	48.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.62%			
32) Benzene-d6	5.08	84	510303	50.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.08%			
36) 1,2-Dichloropropane-d6	6.10	67	150413	49.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.06%			
41) Toluene-d8	7.34	98	513013	50.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.72%			
43) trans-1,3-Dichloropropene-	7.64	79	76772	47.55	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.10%			
47) 2-Hexanone-d5	8.12	63	138439	100.99	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.99%			
57) 1,1,2,2-Tetrachloroethane-	10.24	84	219411	49.35	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 98.70%			
64) 1,2-Dichlorobenzene-d4	11.65	152	219890	50.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	159363	45.339	ug/L	100
3) Chloromethane	1.25	50	114563	45.286	ug/L	99
5) Vinyl chloride	1.32	62	112740	45.989	ug/L	100
6) Bromomethane	1.53	94	48601	30.925	ug/L	92
8) Chloroethane	1.60	64	68232	51.150	ug/L	99
9) Trichlorofluoromethane	1.77	101	179315	46.227	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	87362	45.097	ug/L	99
12) 1,1-Dichloroethene	2.13	96	84769	47.969	ug/L	93
13) Acetone	2.21	43	94264m	62.455	ug/L	
14) Carbon disulfide	2.31	76	278031	47.952	ug/L	100
15) Methyl Acetate	2.46	43	91326	46.846	ug/L	100
16) Methylene chloride	2.52	84	129938	48.599	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	117243	47.269	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	383573	48.388	ug/L	99
19) 1,1-Dichloroethane	3.21	63	209792	47.048	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	134575	47.623	ug/L	98
22) 2-Butanone	4.01	43	134885	88.962	ug/L	95

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.28	128	71251	47.609 ug/L	96
25) Chloroform	4.41	83	232369	47.198 ug/L	98
27) 1,2-Dichloroethane	5.16	62	176358	47.533 ug/L	100
29) Cyclohexane	4.70	56	181863	47.562 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	211810	48.104 ug/L	98
31) Carbon tetrachloride	4.86	117	188797	48.095 ug/L	100
33) Benzene	5.13	78	492498	48.889 ug/L	100
34) Trichloroethene	5.94	95	126626	46.841 ug/L	97
35) Methylcyclohexane	6.16	83	201884	46.294 ug/L	99
37) 1,2-Dichloropropane	6.20	63	118043	46.764 ug/L	100
38) Bromodichloromethane	6.53	83	171623	47.962 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	197701	47.643 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	339215	99.897 ug/L	99
42) Toluene	7.41	91	554818	48.946 ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	175239	47.461 ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	127936	48.671 ug/L	98
46) Tetrachloroethene	8.00	164	118779	47.031 ug/L	99
48) 2-Hexanone	8.17	43	262928	97.489 ug/L	99
49) Dibromochloromethane	8.27	129	145833	49.320 ug/L	100
50) 1,2-Dibromoethane	8.37	107	139439	48.357 ug/L	99
51) Chlorobenzene	8.90	112	398744	51.082 ug/L	98
52) Ethylbenzene	9.03	91	629161	48.699 ug/L	98
53) m,p-Xylene	9.16	106	246621	49.189 ug/L	98
54) o-xylene	9.56	106	242047	48.696 ug/L	99
55) Styrene	9.58	104	413117	49.785 ug/L	98
56) Isopropylbenzene	9.95	105	645868	49.278 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	209368	48.146 ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	167109	48.278 ug/L	99
61) Bromoform	9.75	173	106266	50.031 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	317965	48.739 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	328281	49.954 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	328284	50.376 ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	47321	48.303 ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	240294	46.979 ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	226230	49.623 ug/L	99
69) Naphthalene	13.52	128	297320	50.769 ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	225089	49.877 ug/L	99

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

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