

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033512.D
 Acq On : 31 Jul 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Aug 01 07:14:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:02:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	327475	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	326510	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	175077	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	108049	45.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.76%
7) Chloroethane-d5	1.67	69	107045	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.26	63	202700	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
21) 2-Butanone-d5	4.16	46	165410	104.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.89%
24) Chloroform-d	4.62	84	198748	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.29	65	123537	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
32) Benzene-d6	5.32	84	393781	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
36) 1,2-Dichloropropane-d6	6.31	67	123233	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.14%
41) Toluene-d8	7.55	98	373300	49.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.44%
43) trans-1,3-Dichloropropene-	7.83	79	60002	47.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.34%
47) 2-Hexanone-d5	8.30	63	123177	102.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.25%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188001	48.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.10%
64) 1,2-Dichlorobenzene-d4	11.84	152	150472	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	155930	50.493	ug/L 99
3) Chloromethane	1.32	50	152282	48.955	ug/L 99
5) Vinyl chloride	1.40	62	163146	48.924	ug/L 99
6) Bromomethane	1.62	94	106673	36.256	ug/L 98
8) Chloroethane	1.69	64	115051	56.779	ug/L 97
9) Trichlorofluoromethane	1.87	101	221864	50.862	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112395	50.825	ug/L 99
12) 1,1-Dichloroethene	2.27	96	103715	48.907	ug/L 97
13) Acetone	2.32	43	181609	112.564	ug/L 99
14) Carbon disulfide	2.46	76	320002	48.110	ug/L 99
15) Methyl Acetate	2.60	43	129418	50.385	ug/L 100
16) Methylene chloride	2.68	84	119885	49.492	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	107947	48.585	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	330699	48.809	ug/L 99
19) 1,1-Dichloroethane	3.42	63	203830	48.875	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	121062	48.545	ug/L 96
22) 2-Butanone	4.25	43	212482	110.317	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	65112	50.041	ug/L	95
25) Chloroform	4.65	83	212745	48.475	ug/L	100
27) 1,2-Dichloroethane	5.38	62	165515	48.978	ug/L	100
29) Cyclohexane	4.97	56	175916	49.394	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	183040	48.721	ug/L	99
31) Carbon tetrachloride	5.11	117	163389	49.940	ug/L	100
33) Benzene	5.37	78	463708	49.230	ug/L	100
34) Trichloroethene	6.16	95	119880	48.248	ug/L	98
35) Methylcyclohexane	6.40	83	197804	51.016	ug/L	99
37) 1,2-Dichloropropane	6.41	63	123207	48.867	ug/L	99
38) Bromodichloromethane	6.74	83	159634	48.977	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	192359	48.881	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	352141	101.158	ug/L	99
42) Toluene	7.62	91	508639	50.219	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	175524	49.355	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	116063	48.490	ug/L	97
46) Tetrachloroethene	8.21	164	100135	49.364	ug/L	98
48) 2-Hexanone	8.35	43	293053	104.149	ug/L	98
49) Dibromochloromethane	8.46	129	134896	49.535	ug/L	99
50) 1,2-Dibromoethane	8.57	107	130053	49.052	ug/L	98
51) Chlorobenzene	9.10	112	322822	48.684	ug/L	100
52) Ethylbenzene	9.23	91	543167	49.803	ug/L	100
53) m,p-Xylene	9.36	106	210667	50.315	ug/L	97
54) o-xylene	9.76	106	202173	49.777	ug/L	96
55) Styrene	9.77	104	353980	51.315	ug/L	100
56) Isopropylbenzene	10.15	105	530393	49.980	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	210013	48.647	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	163225	49.046	ug/L	100
61) Bromoform	9.94	173	104067	49.208	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	263899	49.081	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	269778	48.294	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	265547	48.845	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	49926	49.705	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	208441	48.052	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	179685	48.478	ug/L	99
69) Naphthalene	13.73	128	519426	48.845	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	188873	48.452	ug/L	99

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

