

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110119\
 Data File : VU035588.D
 Acq On : 01 Nov 2019 09:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Nov 01 10:08:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 17:34:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	697886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	676286	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	303977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	245044	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.94%
7) Chloroethane-d5	1.93	69	205508	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.30%
11) 1,1-Dichloroethene-d2	2.60	63	400496	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.38%
21) 2-Butanone-d5	4.69	46	311113	94.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.49%
24) Chloroform-d	5.11	84	416750	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.75	65	252045	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
32) Benzene-d6	5.77	84	858793	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.73	67	278885	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.56%
41) Toluene-d8	7.93	98	803295	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%
43) trans-1,3-Dichloropropene-	8.21	79	130427	49.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.06%
47) 2-Hexanone-d5	8.68	63	202858	92.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.59%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	395420	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	12.22	152	283459	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	265603	48.801 ug/L	99
3) Chloromethane	1.54	50	283226	47.749 ug/L	99
5) Vinyl chloride	1.62	62	299206	46.881 ug/L	99
6) Bromomethane	1.87	94	155273	48.032 ug/L	99
8) Chloroethane	1.95	64	177006	47.685 ug/L	98
9) Trichlorofluoromethane	2.16	101	370986	49.071 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	220056	50.701 ug/L	99
12) 1,1-Dichloroethene	2.61	96	208569	48.924 ug/L	97
13) Acetone	2.66	43	340620	117.584 ug/L	99
14) Carbon disulfide	2.83	76	608002	46.292 ug/L	100
15) Methyl Acetate	2.99	43	251524	47.938 ug/L	99
16) Methylene chloride	3.09	84	250625	48.182 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	217143	48.368 ug/L	96
18) Methyl tert-butyl Ether	3.42	73	672424	49.541 ug/L	99
19) 1,1-Dichloroethane	3.92	63	422494	48.786 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	248928	49.160 ug/L	96
22) 2-Butanone	4.77	43	411872	107.707 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	131183	49.026	ug/L	97
25) Chloroform	5.14	83	425050	48.327	ug/L	100
27) 1,2-Dichloroethane	5.84	62	312909	48.697	ug/L	100
29) Cyclohexane	5.43	56	350064	50.748	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	353656	49.754	ug/L	100
31) Carbon tetrachloride	5.57	117	317797	50.282	ug/L	100
33) Benzene	5.82	78	954206	50.204	ug/L	100
34) Trichloroethene	6.58	95	236476	48.940	ug/L	99
35) Methylcyclohexane	6.80	83	353587	50.385	ug/L	99
37) 1,2-Dichloropropane	6.83	63	256327	50.361	ug/L	100
38) Bromodichloromethane	7.14	83	323944	50.072	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	400391	52.924	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	657874	96.614	ug/L	99
42) Toluene	8.01	91	1038298	52.122	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	352245	50.794	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	244735	50.165	ug/L	100
46) Tetrachloroethene	8.58	164	204142	50.526	ug/L	99
48) 2-Hexanone	8.73	43	531323	95.953	ug/L	92
49) Dibromochloromethane	8.84	129	277526	50.444	ug/L	97
50) 1,2-Dibromoethane	8.96	107	261052	50.153	ug/L	100
51) Chlorobenzene	9.48	112	664639	49.978	ug/L	100
52) Ethylbenzene	9.60	91	1094228	51.382	ug/L	99
53) m,p-Xylene	9.72	106	426088	53.320	ug/L	98
54) o-xylene	10.13	106	413642	52.960	ug/L	98
55) Styrene	10.14	104	688100	53.086	ug/L	98
56) Isopropylbenzene	10.51	105	1040637	53.020	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	416266	49.537	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	325108	48.987	ug/L	99
61) Bromoform	10.32	173	218571	47.132	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	470343	49.048	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	464024	47.633	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	472498	48.399	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	69754	46.083	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	250220	45.165	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	137389	37.021	ug/L	97
69) Naphthalene	14.11	128	328148	34.473	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	149706	37.440	ug/L	98

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

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