

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU072018\
 Data File : VU025533.D
 Acq On : 20 Jul 2018 11:38
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV58

Quant Time: Jul 21 01:13:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 01:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	351603	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	329500	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170701	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101262	50.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.90%
7) Chloroethane-d5	1.68	69	80613	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.38%
11) 1,1-Dichloroethene-d2	2.28	63	209904	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.46%
21) 2-Butanone-d5	4.18	46	160045	103.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	4.65	84	223515	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
26) 1,2-Dichloroethane-d4	5.31	65	144444	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
32) Benzene-d6	5.35	84	423384	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.34	67	134926	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.10%
41) Toluene-d8	7.57	98	409099	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
43) trans-1,3-Dichloropropene-	7.85	79	70835	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
47) 2-Hexanone-d5	8.31	63	119588	104.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	187610	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	175687	50.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.56%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	163324	47.14	ug/L	100
3) Chloromethane	1.33	50	125053	49.98	ug/L	100
5) Vinyl chloride	1.41	62	132941	48.45	ug/L	100
6) Bromomethane	1.63	94	57919	60.69	ug/L	97
8) Chloroethane	1.70	64	78534	48.60	ug/L	96
9) Trichlorofluoromethane	1.89	101	186888	47.83	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	110159	50.34	ug/L	99
12) 1,1-Dichloroethene	2.29	96	98647	49.71	ug/L	100
13) Acetone	2.32	43	163553	89.92	ug/L	99
14) Carbon disulfide	2.48	76	315181	48.78	ug/L	99
15) Methyl Acetate	2.62	43	121921	48.49	ug/L	98
16) Methylene chloride	2.71	84	119151	48.20	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	111820	48.94	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	365783	49.16	ug/L	100
19) 1,1-Dichloroethane	3.45	63	208180	47.90	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	125204	48.55	ug/L	96
22) 2-Butanone	4.26	43	187395	92.55	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	67291	49.44	ug/L	99
25) Chloroform	4.68	83	220414	48.20	ug/L	100
27) 1,2-Dichloroethane	5.41	62	182330	48.88	ug/L	100
29) Cyclohexane	5.00	56	185063	48.48	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	199795	48.46	ug/L	99
31) Carbon tetrachloride	5.14	117	181817	47.69	ug/L	99
33) Benzene	5.39	78	459501	48.53	ug/L	100
34) Trichloroethene	6.19	95	122701	48.85	ug/L	98
35) Methylcyclohexane	6.42	83	197754	48.82	ug/L	99
37) 1,2-Dichloropropane	6.44	63	123687	47.81	ug/L	100
38) Bromodichloromethane	6.76	83	164803	48.31	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	200840	50.02	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	337521	99.34	ug/L	99
42) Toluene	7.64	91	500732	49.04	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	189707	50.11	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	118377	47.70	ug/L	98
46) Tetrachloroethene	8.23	164	106409	48.86	ug/L	99
48) 2-Hexanone	8.36	43	281220	97.96	ug/L	99
49) Dibromochloromethane	8.48	129	142789	49.05	ug/L	100
50) 1,2-Dibromoethane	8.59	107	128450	48.05	ug/L	99
51) Chlorobenzene	9.12	112	333992	48.59	ug/L	99
52) Ethylbenzene	9.25	91	558195	49.53	ug/L	99
53) m,p-Xylene	9.38	106	216000	50.04	ug/L	100
54) o-xylene	9.78	106	216413	49.41	ug/L	97
55) Styrene	9.80	104	361446	50.67	ug/L	99
56) Isopropylbenzene	10.17	105	560885	49.62	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	193429	48.32	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	143506	47.22	ug/L	99
61) Bromoform	9.96	173	106591	48.27	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	267518	49.54	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	268475	48.71	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274756	48.57	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	43338	48.71	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	211502	50.75	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	178823	51.05	ug/L	99
69) Naphthalene	13.74	128	560016	53.16	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	191009	51.58	ug/L	99

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

