

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033438.D
 Acq On : 26 Jul 2019 02:26
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Jul 26 05:56:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 05:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	280734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	289715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	144004	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102067	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.06%
7) Chloroethane-d5	1.67	69	97035	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.90%
11) 1,1-Dichloroethene-d2	2.26	63	194069	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
21) 2-Butanone-d5	4.15	46	157351	116.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.86%
24) Chloroform-d	4.62	84	190985	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
26) 1,2-Dichloroethane-d4	5.29	65	127868	55.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.96%
32) Benzene-d6	5.32	84	378483	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
36) 1,2-Dichloropropane-d6	6.31	67	122648	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.74%
41) Toluene-d8	7.55	98	354840	52.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.88%
43) trans-1,3-Dichloropropene-	7.83	79	55842	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
47) 2-Hexanone-d5	8.29	63	116976	113.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196249	56.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.90%
64) 1,2-Dichlorobenzene-d4	11.84	152	140954	54.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	129878	46.684	ug/L 99
3) Chloromethane	1.32	50	130875	47.751	ug/L 100
5) Vinyl chloride	1.40	62	151006	47.667	ug/L 100
6) Bromomethane	1.61	94	95088	48.148	ug/L 99
8) Chloroethane	1.68	64	96806	50.522	ug/L 98
9) Trichlorofluoromethane	1.87	101	208418	50.032	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	94827	49.513	ug/L 99
12) 1,1-Dichloroethene	2.27	96	90508	48.302	ug/L 97
13) Acetone	2.31	43	110778	65.845	ug/L 99
14) Carbon disulfide	2.46	76	262753	45.849	ug/L 99
15) Methyl Acetate	2.60	43	111901	50.933	ug/L 100
16) Methylene chloride	2.68	84	109487	51.176	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	94721	48.910	ug/L 100
18) Methyl tert-butyl Ether	2.98	73	297658	49.795	ug/L 99
19) 1,1-Dichloroethane	3.42	63	190676	51.221	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	109609	50.177	ug/L 100
22) 2-Butanone	4.23	43	162137	86.752	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	57621	51.513	ug/L	97
25) Chloroform	4.65	83	203849	51.488	ug/L	97
27) 1,2-Dichloroethane	5.38	62	159275	51.952	ug/L	99
29) Cyclohexane	4.97	56	148627	47.080	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	163809	48.465	ug/L	99
31) Carbon tetrachloride	5.11	117	146012	49.364	ug/L	100
33) Benzene	5.37	78	420707	49.795	ug/L	100
34) Trichloroethene	6.16	95	136580	61.812	ug/L	100
35) Methylcyclohexane	6.40	83	155103	45.823	ug/L	99
37) 1,2-Dichloropropane	6.41	63	113900	49.709	ug/L	99
38) Bromodichloromethane	6.74	83	149360	50.534	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	165463	47.099	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	306643	99.762	ug/L	100
42) Toluene	7.62	91	467549	51.329	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	152810	48.232	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	109896	50.713	ug/L	99
46) Tetrachloroethene	8.21	164	84083	49.156	ug/L	99
48) 2-Hexanone	8.34	43	254600	101.672	ug/L	98
49) Dibromochloromethane	8.46	129	123792	51.210	ug/L	98
50) 1,2-Dibromoethane	8.57	107	118030	49.954	ug/L	97
51) Chlorobenzene	9.10	112	294816	49.587	ug/L	99
52) Ethylbenzene	9.23	91	496579	50.947	ug/L	99
53) m,p-Xylene	9.36	106	191120	51.768	ug/L	100
54) o-xylene	9.76	106	186289	50.817	ug/L	99
55) Styrene	9.77	104	326593	52.549	ug/L	98
56) Isopropylbenzene	10.15	105	484632	51.375	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	194722	51.155	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	151896	50.922	ug/L	100
61) Bromoform	9.94	173	89081	50.651	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	216696	48.885	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	227761	49.141	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	233146	51.284	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	42915	49.459	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	165019	51.511	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	142952	51.087	ug/L	99
69) Naphthalene	13.73	128	483652	53.907	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	159144	52.386	ug/L	98

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

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