

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100319\
 Data File : VU034916.D
 Acq On : 03 Oct 2019 14:42
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Oct 04 06:42:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 06:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	462873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	441814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	216111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	165597	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.67	69	127714	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	2.26	63	298014	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
21) 2-Butanone-d5	4.15	46	251527	91.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.78%
24) Chloroform-d	4.62	84	279026	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	5.29	65	183723	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
32) Benzene-d6	5.32	84	579329	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.31	67	188021	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.70%
41) Toluene-d8	7.54	98	546149	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%
43) trans-1,3-Dichloropropene-	7.83	79	90050	49.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.06%
47) 2-Hexanone-d5	8.29	63	183599	94.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.41%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	268316	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	206161	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	189545	47.953	ug/L 100
3) Chloromethane	1.32	50	205478	46.613	ug/L 99
5) Vinyl chloride	1.40	62	193168	46.357	ug/L 99
6) Bromomethane	1.62	94	112357	46.331	ug/L 97
8) Chloroethane	1.69	64	113655	46.531	ug/L 100
9) Trichlorofluoromethane	1.87	101	233915	47.638	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	135105	48.762	ug/L 99
12) 1,1-Dichloroethene	2.27	96	127496	47.933	ug/L 99
13) Acetone	2.31	43	252794	97.430	ug/L 99
14) Carbon disulfide	2.46	76	416509	47.433	ug/L 98
15) Methyl Acetate	2.60	43	177106	45.101	ug/L 99
16) Methylene chloride	2.68	84	156140	46.290	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	141978	47.713	ug/L 95
18) Methyl tert-butyl Ether	2.98	73	473076	47.246	ug/L 100
19) 1,1-Dichloroethane	3.42	63	279843	46.488	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	160069	47.785	ug/L 100
22) 2-Butanone	4.23	43	293469	96.135	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	78686	47.034	uq/L	99
25) Chloroform	4.65	83	283535	46.306	uq/L	100
27) 1,2-Dichloroethane	5.38	62	228588	46.913	uq/L	99
29) Cyclohexane	4.97	56	264936	49.634	uq/L	99
30) 1,1,1-Trichloroethane	4.89	97	231317	48.291	uq/L	100
31) Carbon tetrachloride	5.11	117	203246	48.680	uq/L	99
33) Benzene	5.37	78	619784	48.028	uq/L	100
34) Trichloroethene	6.16	95	158447	48.726	uq/L	99
35) Methylcyclohexane	6.39	83	263639	49.943	uq/L	99
37) 1,2-Dichloropropane	6.41	63	173245	48.168	uq/L	100
38) Bromodichloromethane	6.73	83	205728	47.120	uq/L	99
39) cis-1,3-Dichloropropene	7.25	75	268830	49.333	uq/L	99
40) 4-Methyl-2-pentanone	7.44	43	519511	93.249	uq/L	100
42) Toluene	7.61	91	676774	48.793	uq/L	99
44) trans-1,3-Dichloropropene	7.86	75	236734	49.561	uq/L	100
45) 1,1,2-Trichloroethane	8.04	97	150360	47.544	uq/L	99
46) Tetrachloroethene	8.21	164	125901	48.806	uq/L	99
48) 2-Hexanone	8.34	43	420139	98.951	uq/L	99
49) Dibromochloromethane	8.45	129	166412	48.603	uq/L	98
50) 1,2-Dibromoethane	8.56	107	167534	49.285	uq/L	99
51) Chlorobenzene	9.10	112	423672	47.836	uq/L	99
52) Ethylbenzene	9.23	91	756651	49.138	uq/L	100
53) m,p-Xylene	9.35	106	279394	48.991	uq/L	99
54) o-xylene	9.76	106	277697	49.512	uq/L	97
55) Styrene	9.77	104	467814	49.732	uq/L	99
56) Isopropylbenzene	10.14	105	725130	49.114	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	275851	47.803	uq/L	99
59) 1,2,3-Trichloropropane	10.47	75	219688	47.247	uq/L	99
61) Bromoform	9.94	173	123026	46.929	uq/L	99
62) 1,3-Dichlorobenzene	11.39	146	319283	47.463	uq/L	99
63) 1,4-Dichlorobenzene	11.48	146	322376	47.945	uq/L	99
65) 1,2-Dichlorobenzene	11.85	146	319097	47.273	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	56060	47.616	uq/L	99
67) 1,3,5-Trichlorobenzene	12.86	180	222521	49.311	uq/L	99
68) 1,2,4-trichlorobenzene	13.48	180	192932	56.244	uq/L	99
69) Naphthalene	13.72	128	648780	62.347	uq/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	179357	49.557	uq/L	99

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

