

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033472.D
 Acq On : 29 Jul 2019 13:42
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Jul 30 04:14:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 04:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	337097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335565	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	176647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144703	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.56%
7) Chloroethane-d5	1.66	69	118731	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.90%
11) 1,1-Dichloroethene-d2	2.25	63	257553	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
21) 2-Butanone-d5	4.15	46	171395	97.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	4.62	84	220907	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.28	65	136508	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.32	84	442722	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
36) 1,2-Dichloropropane-d6	6.31	67	136784	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.90%
41) Toluene-d8	7.55	98	420373	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	7.83	79	68179	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.29	63	123747	106.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.62%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	208586	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
66) 1,2-Dichlorobenzene-d4	11.84	152	171113	50.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	148789	44.238	ug/L 99
3) Chloromethane	1.32	50	145934	43.459	ug/L 100
5) Vinyl chloride	1.39	62	170331	44.356	ug/L 100
6) Bromomethane	1.60	94	107561	40.076	ug/L 99
8) Chloroethane	1.68	64	105197	44.658	ug/L 99
9) Trichlorofluoromethane	1.87	101	225241	44.719	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	112206	44.332	ug/L 99
12) 1,1-Dichloroethene	2.26	96	116141	47.092	ug/L 95
13) Acetone	2.31	43	141836	81.595	ug/L 99
14) Carbon disulfide	2.46	76	352992	48.040	ug/L 100
15) Methyl Acetate	2.60	43	129303	46.383	ug/L 100
16) Methylene chloride	2.68	84	127081	46.902	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	117065	47.787	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	348266	48.177	ug/L 99
19) 1,1-Dichloroethane	3.42	63	214335	46.470	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	130227	48.165	ug/L 99
22) 2-Butanone	4.23	43	201620	97.616	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	67865	47.259	ug/L	97
25) Chloroform	4.65	83	225793	46.172	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174717	46.007	ug/L	98
29) Cyclohexane	4.97	56	189531	51.410	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	193298	48.379	ug/L	99
31) Carbon tetrachloride	5.11	117	172828	48.593	ug/L	100
33) Benzene	5.36	78	487015	48.556	ug/L	100
34) Trichloroethene	6.16	95	127968	48.970	ug/L	98
35) Methylcyclohexane	6.39	83	196322	49.407	ug/L	98
37) 1,2-Dichloropropane	6.41	63	130767	48.476	ug/L	99
38) Bromodichloromethane	6.74	83	168347	47.407	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	203756	50.654	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	365430	102.792	ug/L	99
42) Toluene	7.62	91	540325	50.060	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	187841	51.449	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	123253	47.906	ug/L	98
46) Tetrachloroethene	8.21	164	105245	49.490	ug/L	98
48) 2-Hexanone	8.34	43	298238	102.975	ug/L	99
49) Dibromochloromethane	8.46	129	141243	49.031	ug/L	98
50) 1,2-Dibromoethane	8.57	107	136690	48.974	ug/L	98
51) Chlorobenzene	9.10	112	352803	49.195	ug/L	99
52) Ethylbenzene	9.23	91	585678	50.056	ug/L	99
53) m,p-Xylene	9.36	106	228399	51.910	ug/L	98
54) o-xylene	9.76	106	219276	50.829	ug/L	98
55) Styrene	9.77	104	385840	52.706	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	219800	48.056	ug/L	99
59) Bromoform	9.94	173	107049	48.445	ug/L	98
60) 1,2,3-Trichloropropane	10.48	75	175952	48.891	ug/L	99
61) Isopropylbenzene	10.15	105	575836	50.893	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	504742	55.056	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	513117	56.435	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	284626	49.352	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	288955	48.499	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	283779	49.111	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	49791	49.763	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	212144	48.446	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	191270	52.334	ug/L	99
71) Naphthalene	13.73	128	614573	58.154	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	201243	52.566	ug/L	100

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

