

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032190.D
 Acq On : 21 May 2019 11:18
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV56

Quant Time: May 22 01:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 01:50:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	868578	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	851903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	431841	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	261578	46.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.34%
7) Chloroethane-d5	1.67	69	223709	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.62%
11) 1,1-Dichloroethene-d2	2.27	63	493169	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.42%
21) 2-Butanone-d5	4.17	46	346122	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	4.64	84	524541	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
26) 1,2-Dichloroethane-d4	5.30	65	304492	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
32) Benzene-d6	5.33	84	1070637	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.32	67	309338	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.76%
41) Toluene-d8	7.56	98	1030800	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.85	79	152086	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.40%
47) 2-Hexanone-d5	8.31	63	305690	105.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	499832	48.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	420497	46.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	326099	46.087	ug/L 100
3) Chloromethane	1.32	50	289297	46.833	ug/L 100
5) Vinyl chloride	1.40	62	325760	46.920	ug/L 99
6) Bromomethane	1.61	94	232252	49.295	ug/L 100
8) Chloroethane	1.69	64	198151	47.392	ug/L 98
9) Trichlorofluoromethane	1.88	101	446663	45.733	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	265428	45.339	ug/L 96
12) 1,1-Dichloroethene	2.28	96	273609	47.004	ug/L 100
13) Acetone	2.32	43	341210	95.863	ug/L 98
14) Carbon disulfide	2.47	76	801722	47.107	ug/L 100
15) Methyl Acetate	2.61	43	246323	48.507	ug/L 99
16) Methylene chloride	2.69	84	306741	45.911	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	288614	47.925	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	837374	48.495	ug/L 100
19) 1,1-Dichloroethane	3.44	63	474671	46.682	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	325342	48.311	ug/L 98
22) 2-Butanone	4.26	43	404818	102.670	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	171521	47.389	ug/L	99
25) Chloroform	4.67	83	527066	47.093	ug/L	100
27) 1,2-Dichloroethane	5.40	62	387209	47.191	ug/L	99
29) Cyclohexane	4.99	56	401609	50.537	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	439843	48.378	ug/L	98
31) Carbon tetrachloride	5.13	117	393499	49.048	ug/L	99
33) Benzene	5.38	78	1176783	49.460	ug/L	100
34) Trichloroethene	6.18	95	310313	48.788	ug/L	98
35) Methylcyclohexane	6.41	83	479374	49.901	ug/L	99
37) 1,2-Dichloropropane	6.43	63	276012	47.537	ug/L	100
38) Bromodichloromethane	6.75	83	391425	48.844	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	455956	50.030	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	682842	102.869	ug/L	99
42) Toluene	7.63	91	1344166	51.163	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	410316	50.641	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	303443	48.226	ug/L	96
46) Tetrachloroethene	8.22	164	259078	49.327	ug/L	97
48) 2-Hexanone	8.36	43	588958	103.573	ug/L	99
49) Dibromochloromethane	8.47	129	330359	48.952	ug/L	99
50) 1,2-Dibromoethane	8.58	107	332084	50.032	ug/L	98
51) Chlorobenzene	9.11	112	862263	48.702	ug/L	98
52) Ethylbenzene	9.24	91	1424165	50.281	ug/L	99
53) m,p-Xylene	9.37	106	567515	50.871	ug/L	96
54) o-xylene	9.77	106	560046	50.874	ug/L	95
55) Styrene	9.79	104	974219	51.833	ug/L	99
56) Isopropylbenzene	10.16	105	1437976	50.851	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	512999	48.678	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	389319	48.467	ug/L	100
61) Bromoform	9.95	173	256874	46.763	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	686247	48.707	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	708892	47.867	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	711738	48.302	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	111384	48.901	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	524925	48.718	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	445727	53.062	ug/L	99
69) Naphthalene	13.74	128	1577913	61.900	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	488774	51.779	ug/L	98

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

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