

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
 Data File : VU028413.D
 Acq On : 30 Nov 2018 11:05
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV58

Quant Time: Dec 01 00:46:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 23:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	486712	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	452706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	211299	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	220206	50.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.14%
7) Chloroethane-d5	1.68	69	168489	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.27	63	380447	49.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.26%
21) 2-Butanone-d5	4.17	46	354487	99.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.19%
24) Chloroform-d	4.65	84	349819	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.31	65	230005	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.16%
32) Benzene-d6	5.34	84	718229	50.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.92%
36) 1,2-Dichloropropane-d6	6.33	67	256536	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.90%
41) Toluene-d8	7.57	98	632154	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.98%
43) trans-1,3-Dichloropropene-	7.85	79	117203	51.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.08%
47) 2-Hexanone-d5	8.31	63	249547	101.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	328605	50.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	220239	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	222006	51.013	ug/L	98
3) Chloromethane	1.33	50	332636	52.900	ug/L	99
5) Vinyl chloride	1.40	62	270978	50.386	ug/L	98
6) Bromomethane	1.62	94	82683	54.619	ug/L	98
8) Chloroethane	1.69	64	152604	50.544	ug/L	99
9) Trichlorofluoromethane	1.88	101	277114	50.594	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	167788	52.772	ug/L	99
12) 1,1-Dichloroethene	2.28	96	157322	51.221	ug/L	95
13) Acetone	2.32	43	327998	88.224	ug/L	99
14) Carbon disulfide	2.48	76	593215	51.015	ug/L	99
15) Methyl Acetate	2.61	43	268710	48.854	ug/L	99
16) Methylene chloride	2.70	84	196418	49.401	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	175081	50.299	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	598103	49.448	ug/L	99
19) 1,1-Dichloroethane	3.44	63	372397	49.527	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	197705	49.385	ug/L	99
22) 2-Butanone	4.26	43	432171	92.858	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	87967	50.228	uq/L	99
25) Chloroform	4.67	83	343801	49.939	uq/L	99
27) 1,2-Dichloroethane	5.40	62	282091	49.497	uq/L	99
29) Cyclohexane	4.99	56	375677	51.133	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	274103	51.152	uq/L	100
31) Carbon tetrachloride	5.13	117	220406	51.067	uq/L	100
33) Benzene	5.39	78	793178	51.006	uq/L	100
34) Trichloroethene	6.18	95	187219	50.350	uq/L	96
35) Methylcyclohexane	6.41	83	335093	51.770	uq/L	99
37) 1,2-Dichloropropane	6.43	63	231169	50.136	uq/L	100
38) Bromodichloromethane	6.76	83	257681	50.365	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	339365	51.837	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	727959	99.830	uq/L	99
42) Toluene	7.64	91	802694	50.719	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	307156	51.202	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	182714	50.958	uq/L	99
46) Tetrachloroethene	8.23	164	135990	52.007	uq/L	98
48) 2-Hexanone	8.36	43	603224	98.462	uq/L	100
49) Dibromochloromethane	8.48	129	183843	50.125	uq/L	96
50) 1,2-Dibromoethane	8.58	107	190189	49.347	uq/L	95
51) Chlorobenzene	9.12	112	473919	50.200	uq/L	99
52) Ethylbenzene	9.25	91	883603	50.543	uq/L	99
53) m,p-Xylene	9.37	106	315106	50.536	uq/L	98
54) o-xylene	9.78	106	312364	50.578	uq/L	97
55) Styrene	9.79	104	540155	51.049	uq/L	99
56) Isopropylbenzene	10.17	105	827018	50.761	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	333016	49.789	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	261044	49.876	uq/L	99
61) Bromoform	9.96	173	134129	51.605	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	353038	51.263	uq/L	97
63) 1,4-Dichlorobenzene	11.50	146	353133	50.919	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	352776	51.608	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	70713	51.350	uq/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	256088	50.548	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	232586	49.293	uq/L	100
69) Naphthalene	13.74	128	853958	51.903	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	242247	50.968	uq/L	99

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

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