

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031319\
 Data File : VU029997.D
 Acq On : 12 Mar 2019 03:39
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Quant Time: Mar 12 07:12:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 12 07:07:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	521106	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510613	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	266688	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170970	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.20%
7) Chloroethane-d5	1.68	69	139736	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.27	63	314681	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
21) 2-Butanone-d5	4.17	46	260525	100.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.88%
24) Chloroform-d	4.65	84	316001	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
26) 1,2-Dichloroethane-d4	5.31	65	180369	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
32) Benzene-d6	5.34	84	668405	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.33	67	202159	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.56	98	633981	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%
43) trans-1,3-Dichloropropene-	7.85	79	94818	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	8.31	63	226893	100.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306581	49.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	258770	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	161718	49.115 ug/L	98
3) Chloromethane	1.33	50	186743	51.407 ug/L	99
5) Vinyl chloride	1.41	62	196562	49.362 ug/L	99
6) Bromomethane	1.62	94	118554	48.060 ug/L	98
8) Chloroethane	1.70	64	122713	47.018 ug/L	98
9) Trichlorofluoromethane	1.89	101	264424	49.514 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	166344	48.589 ug/L	99
12) 1,1-Dichloroethene	2.28	96	162145	49.644 ug/L	99
13) Acetone	2.32	43	172551	57.146 ug/L	99
14) Carbon disulfide	2.48	76	495565	48.953 ug/L	100
15) Methyl Acetate	2.61	43	194878	49.955 ug/L	99
16) Methylene chloride	2.70	84	190615	49.424 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	175872	49.445 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	527077	49.963 ug/L	100
19) 1,1-Dichloroethane	3.45	63	306243	50.146 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	200530	49.523 ug/L	96
22) 2-Butanone	4.26	43	276658	80.481 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105269	50.187	ug/L	98
25) Chloroform	4.67	83	325479	50.779	ug/L	99
27) 1,2-Dichloroethane	5.40	62	237572	51.553	ug/L	98
29) Cyclohexane	4.99	56	273984	48.650	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	273608	49.084	ug/L	99
31) Carbon tetrachloride	5.13	117	245185	49.811	ug/L	98
33) Benzene	5.39	78	730797	50.015	ug/L	100
34) Trichloroethene	6.18	95	189563	49.501	ug/L	99
35) Methylcyclohexane	6.41	83	297770	47.951	ug/L	99
37) 1,2-Dichloropropane	6.43	63	190094	49.460	ug/L	100
38) Bromodichloromethane	6.76	83	238017	49.802	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	281232	47.021	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	506949	97.689	ug/L	100
42) Toluene	7.63	91	794759	50.028	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	262408	48.052	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	192801	50.161	ug/L	98
46) Tetrachloroethene	8.22	164	163829	48.885	ug/L	99
48) 2-Hexanone	8.36	43	399590	90.259	ug/L	99
49) Dibromochloromethane	8.47	129	211771	49.314	ug/L	100
50) 1,2-Dibromoethane	8.58	107	207188	48.904	ug/L	96
51) Chlorobenzene	9.12	112	525744	49.088	ug/L	99
52) Ethylbenzene	9.25	91	864214	49.416	ug/L	100
53) m,p-Xylene	9.37	106	335487	49.582	ug/L	99
54) o-xylene	9.77	106	335132	50.426	ug/L	99
55) Styrene	9.79	104	569952	50.365	ug/L	98
56) Isopropylbenzene	10.16	105	863045	49.603	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	325461	49.335	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	243598	48.667	ug/L	99
61) Bromoform	9.95	173	165293	49.793	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	417364	48.460	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	424978	48.527	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	426925	49.246	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	70999	50.398	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	318127	47.589	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	295453	48.318	ug/L	100
69) Naphthalene	13.74	128	1009135	50.794	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	311642	49.060	ug/L	99

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

