

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030382.D
 Acq On : 24 Mar 2019 20:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Mar 25 03:27:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 25 03:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	429856	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407407	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192328	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133003	38.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.90%
7) Chloroethane-d5	1.65	69	112404	40.99	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.98%
11) 1,1-Dichloroethene-d2	2.26	63	277606	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	4.17	46	312191	96.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.64	84	278086	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	5.30	65	178392	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.48%
32) Benzene-d6	5.33	84	541107	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
36) 1,2-Dichloropropane-d6	6.32	67	194852	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.50%
41) Toluene-d8	7.56	98	492493	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.85	79	88167	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
47) 2-Hexanone-d5	8.31	63	226285	104.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294233	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	190191	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	223992	47.228	ug/L	100
3) Chloromethane	1.32	50	258758	48.782	ug/L	99
5) Vinyl chloride	1.40	62	239497	47.614	ug/L	100
6) Bromomethane	1.60	94	105564	45.749	ug/L	100
8) Chloroethane	1.67	64	136010	47.897	ug/L	99
9) Trichlorofluoromethane	1.87	101	260100	47.419	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	145450	46.362	ug/L	99
12) 1,1-Dichloroethene	2.27	96	141764	46.095	ug/L	95
13) Acetone	2.32	43	209106	63.582	ug/L	97
14) Carbon disulfide	2.47	76	469554	46.176	ug/L	100
15) Methyl Acetate	2.61	43	236715	47.006	ug/L #	100
16) Methylene chloride	2.69	84	179295	49.452	ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	152259	47.189	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	525571	49.256	ug/L	99
19) 1,1-Dichloroethane	3.44	63	322064	48.652	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	172674	47.718	ug/L	98
22) 2-Butanone	4.26	43	343850	86.499	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	82501	49.052	ug/L	90
25) Chloroform	4.67	83	300116	47.683	ug/L	99
27) 1,2-Dichloroethane	5.40	62	237375	48.063	ug/L	99
29) Cyclohexane	4.99	56	309355	50.176	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	244778	49.068	ug/L	99
31) Carbon tetrachloride	5.13	117	208878	49.400	ug/L	97
33) Benzene	5.38	78	696891	50.250	ug/L	100
34) Trichloroethene	6.18	95	162415	47.639	ug/L	99
35) Methylcyclohexane	6.41	83	267009	47.593	ug/L	99
37) 1,2-Dichloropropane	6.43	63	194646	49.456	ug/L	100
38) Bromodichloromethane	6.75	83	227434	48.634	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	281749	49.805	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	651275	98.516	ug/L	99
42) Toluene	7.63	91	718837	49.943	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	246558	49.534	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	164657	49.514	ug/L	97
46) Tetrachloroethene	8.22	164	117591	49.381	ug/L	96
48) 2-Hexanone	8.36	43	521082	96.173	ug/L	99
49) Dibromochloromethane	8.47	129	173651	50.255	ug/L	98
50) 1,2-Dibromoethane	8.58	107	176539	49.466	ug/L	99
51) Chlorobenzene	9.12	112	457604	52.458	ug/L	99
52) Ethylbenzene	9.25	91	767941	49.253	ug/L	98
53) m,p-Xylene	9.37	106	276775	49.163	ug/L	97
54) o-xylene	9.77	106	282441	51.417	ug/L	98
55) Styrene	9.79	104	483303	51.075	ug/L	99
56) Isopropylbenzene	10.16	105	734465	50.495	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	313952	51.225	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	240203	50.141	ug/L	99
61) Bromoform	9.95	173	131757	51.526	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	313847	49.899	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	347772	53.710	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	359613	56.544	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69243	48.897	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	224658	47.712	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	200822	49.087	ug/L	99
69) Naphthalene	13.74	128	635264	43.668	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	201857	46.725	ug/L	100

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

