

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031216.D
 Acq On : 16 Apr 2019 17:17
 Operator : JC/SP
 Sample : VSTD10050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10050

Quant Time: Apr 17 02:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 02:35:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	536794	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	507435	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	226771	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	488232	102.41	ug/L	0.00
7) Chloroethane-d5	1.68	69	419787	111.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	981128	111.85	ug/L	0.00
21) 2-Butanone-d5	4.18	46	722604	191.66	ug/L	0.00
24) Chloroform-d	4.64	84	796680	105.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	492765	98.08	ug/L	0.00
32) Benzene-d6	5.34	84	1576417	104.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	515955	101.50	ug/L	0.00
41) Toluene-d8	7.56	98	1454404	109.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	254624	109.09	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	535689	230.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	693368	101.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	563051	124.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	470276	99.156 ug/L	99
3) Chloromethane	1.32	50	547081	90.973 ug/L	99
5) Vinyl chloride	1.40	62	552109	95.122 ug/L	96
6) Bromomethane	1.63	94	353831	111.141 ug/L	99
8) Chloroethane	1.70	64	349257	101.811 ug/L	99
9) Trichlorofluoromethane	1.88	101	758992	107.416 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	424171	108.734 ug/L	97
12) 1,1-Dichloroethene	2.28	96	412868	110.254 ug/L	99
13) Acetone	2.34	43	582650	160.475 ug/L	99
14) Carbon disulfide	2.48	76	1103431	97.047 ug/L	100
15) Methyl Acetate	2.62	43	467165	81.615 ug/L	98
16) Methylene chloride	2.70	84	382300	86.926 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	374869	97.251 ug/L	95
18) Methyl tert-butyl Ether	2.99	73	1217031	94.807 ug/L	100
19) 1,1-Dichloroethane	3.44	63	731087	92.237 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	420808	95.902 ug/L	95
22) 2-Butanone	4.27	43	728030	165.945 ug/L	98
23) Bromochloromethane	4.54	128	207849	99.691 ug/L	97
25) Chloroform	4.67	83	728665	89.319 ug/L	97
27) 1,2-Dichloroethane	5.40	62	557715	90.077 ug/L	100
29) Cyclohexane	4.99	56	690786	95.001 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	615712	97.998 ug/L	100
31) Carbon tetrachloride	5.13	117	545182	100.603 ug/L	98
33) Benzene	5.39	78	1612591	96.663 ug/L	100
34) Trichloroethene	6.18	95	406086	99.214 ug/L	99
35) Methylcyclohexane	6.41	83	638053	102.049 ug/L	99
37) 1,2-Dichloropropane	6.43	63	432294	93.106 ug/L	99
38) Bromodichloromethane	6.75	83	545475	96.159 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	681506	102.838 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1281742	175.935 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1700859	100.940	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	592708	101.135	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	389037	97.146	ug/L	97
46) Tetrachloroethene	8.22	164	309631	102.899	ug/L	98
48) 2-Hexanone	8.36	43	1024988	181.052	ug/L	99
49) Dibromochloromethane	8.47	129	433002	101.718	ug/L	99
50) 1,2-Dibromoethane	8.58	107	420064	97.658	ug/L	99
51) Chlorobenzene	9.12	112	1022332	98.109	ug/L	99
52) Ethylbenzene	9.25	91	1816969	98.813	ug/L	99
53) m,p-Xylene	9.37	106	664682	103.016	ug/L	94
54) o-xylene	9.77	106	651508	101.399	ug/L	100
55) Styrene	9.79	104	1138123	103.762	ug/L	98
56) Isopropylbenzene	10.16	105	1643897	97.694	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	650581	91.122	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	491523	88.680	ug/L	99
61) Bromoform	9.95	173	295115	97.896	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	757792	105.913	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	723838	99.003	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	821304	113.671	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	164840	110.154	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	585346	111.145	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	491738	110.672	ug/L	99
69) Naphthalene	13.74	128	1617304	112.776	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	509875	109.005	ug/L	97

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

