

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031402.D
 Acq On : 22 Apr 2019 19:00
 Operator : JC/SP
 Sample : VSTD20052
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20052

Quant Time: Apr 23 03:00:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 02:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	739333	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	703835	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	342787	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	1183192	175.26	ug/L	0.00
7) Chloroethane-d5	1.68	69	912411	161.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	2050859	156.09	ug/L	0.00
21) 2-Butanone-d5	4.19	46	1929916	398.41	ug/L	0.00
24) Chloroform-d	4.64	84	1917269	174.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	1133202	167.88	ug/L	0.00
32) Benzene-d6	5.34	84	4025221	183.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	1315157	183.84	ug/L	0.00
41) Toluene-d8	7.56	98	3659679	188.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	638790	188.65	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	1377007	402.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1802293	181.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1392277	178.30	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1041857	157.309	ug/L	99
3) Chloromethane	1.32	50	1285635	161.232	ug/L	99
5) Vinyl chloride	1.40	62	1298357	162.562	ug/L	99
6) Bromomethane	1.63	94	765281	149.869	ug/L	99
8) Chloroethane	1.70	64	742952	148.814	ug/L	99
9) Trichlorofluoromethane	1.88	101	1572195	145.292	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	915914	158.573	ug/L	99
12) 1,1-Dichloroethene	2.28	96	911484	160.551	ug/L	97
13) Acetone	2.34	43	1297352	338.577	ug/L	100
14) Carbon disulfide	2.47	76	2695378	173.565	ug/L	99
15) Methyl Acetate	2.62	43	1322545	197.814	ug/L	99
16) Methylene chloride	2.70	84	1032598	183.145	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	952706	179.644	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	3188886	190.982	ug/L	100
19) 1,1-Dichloroethane	3.44	63	1840859	176.464	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	1082677	180.419	ug/L	99
22) 2-Butanone	4.27	43	1948085	380.635	ug/L	96
23) Bromochloromethane	4.54	128	532954	179.139	ug/L	98
25) Chloroform	4.67	83	1778132	170.669	ug/L	96
27) 1,2-Dichloroethane	5.40	62	1327287	167.806	ug/L	97
29) Cyclohexane	4.99	56	1745063	179.795	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	1500509	164.968	ug/L	99
31) Carbon tetrachloride	5.13	117	1300876	165.497	ug/L	100
33) Benzene	5.39	78	4070340	174.723	ug/L	100
34) Trichloroethene	6.18	95	1038039	176.247	ug/L	99
35) Methylcyclohexane	6.41	83	1638993	186.453	ug/L	98
37) 1,2-Dichloropropane	6.43	63	1108673	178.356	ug/L	100
38) Bromodichloromethane	6.75	83	1366501	174.208	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	1746237	186.379	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	3396159	384.457	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	4306322	183.357	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	1516566	188.419	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	1010273	180.675	ug/L	100
46) Tetrachloroethene	8.22	164	791433	179.301	ug/L	98
48) 2-Hexanone	8.37	43	2695083	384.145	ug/L	99
49) Dibromochloromethane	8.47	129	1123952	186.200	ug/L	99
50) 1,2-Dibromoethane	8.58	107	1098978	185.302	ug/L	99
51) Chlorobenzene	9.12	112	2654674	181.368	ug/L	99
52) Ethylbenzene	9.25	91	4712113	184.788	ug/L	99
53) m,p-Xylene	9.37	106	1757853	194.587	ug/L	97
54) o-xylene	9.77	106	1738554	189.787	ug/L	99
55) Styrene	9.79	104	3006457	195.936	ug/L	98
56) Isopropylbenzene	10.16	105	4544118	193.594	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	1734606	179.769	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	1347964	181.418	ug/L	100
61) Bromoform	9.95	173	876110	186.627	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	2079057	184.122	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	2118052	187.715	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	2088219	176.366	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	387225	170.878	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	1621078	192.153	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	1463219	215.159	ug/L	98
69) Naphthalene	13.74	128	4809566	222.506	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	1455970	196.554	ug/L	99

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

