

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052819\
 Data File : VU032319.D
 Acq On : 28 May 2019 11:25
 Operator : JC/SP
 Sample : VSTD01054
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01054

Quant Time: May 29 04:48:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 04:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	798718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	785361	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	361422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59773	13.25	ug/L	0.00
7) Chloroethane-d5	1.67	69	48490	11.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	109477	12.60	ug/L	0.00
21) 2-Butanone-d5	4.18	46	69611	17.64	ug/L	0.00
24) Chloroform-d	4.64	84	102942	9.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	64181	9.79	ug/L	0.00
32) Benzene-d6	5.34	84	211788	10.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	64401	10.15	ug/L	0.00
41) Toluene-d8	7.56	98	194208	10.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	27667	9.45	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	47124	17.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100063	9.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	73107	9.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	66392	12.740	ug/L 97
3) Chloromethane	1.33	50	69890	11.135	ug/L 99
5) Vinyl chloride	1.40	62	71244	12.013	ug/L 96
6) Bromomethane	1.62	94	46352	10.190	ug/L 97
8) Chloroethane	1.69	64	41345	10.498	ug/L 95
9) Trichlorofluoromethane	1.88	101	89323	11.978	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	54266	12.471	ug/L 99
12) 1,1-Dichloroethene	2.28	96	53155	11.168	ug/L 90
13) Acetone	2.32	43	80583	24.161	ug/L 99
14) Carbon disulfide	2.47	76	158534	11.087	ug/L 98
15) Methyl Acetate	2.61	43	62049	10.022	ug/L 100
16) Methylene chloride	2.70	84	63698	9.754	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	55975	10.284	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	162398	8.919	ug/L 99
19) 1,1-Dichloroethane	3.44	63	101252	10.384	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	58704	9.226	ug/L 98
22) 2-Butanone	4.27	43	83034	18.959	ug/L 97
23) Bromochloromethane	4.54	128	32013	9.180	ug/L 97
25) Chloroform	4.67	83	103753	9.656	ug/L 99
27) 1,2-Dichloroethane	5.40	62	77889	9.346	ug/L 99
29) Cyclohexane	4.99	56	79452	12.131	ug/L 99
30) 1,1,1-Trichloroethane	4.91	97	88051	11.210	ug/L 98
31) Carbon tetrachloride	5.13	117	74143	11.411	ug/L 97
33) Benzene	5.39	78	226259	10.135	ug/L 100
34) Trichloroethene	6.18	95	58802	10.523	ug/L 98
35) Methylcyclohexane	6.41	83	87326	12.316	ug/L 97
37) 1,2-Dichloropropane	6.43	63	61801	10.657	ug/L # 96
38) Bromodichloromethane	6.76	83	78284	9.824	ug/L 97
39) cis-1,3-Dichloropropene	7.27	75	83393	9.775	ug/L 92
40) 4-Methyl-2-pentanone	7.46	43	145509	18.292	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	243747	10.316	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	73615	9.797	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	56404	8.974	ug/L	95
46) Tetrachloroethene	8.22	164	48967	11.485	ug/L	94
48) 2-Hexanone	8.36	43	111011	17.766	ug/L	97
49) Dibromochloromethane	8.47	129	61318	9.175	ug/L	96
50) 1,2-Dibromoethane	8.58	107	59836	8.868	ug/L	98
51) Chlorobenzene	9.12	112	160208	10.150	ug/L	99
52) Ethylbenzene	9.25	91	249847	10.246	ug/L	99
53) m,p-Xylene	9.37	106	96544	10.255	ug/L	92
54) o-xylene	9.78	106	96738	9.954	ug/L	99
55) Styrene	9.79	104	154657	9.341	ug/L	96
56) Isopropylbenzene	10.16	105	238246	10.312	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	99578	9.303	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	77284	9.169	ug/L	100
61) Bromoform	9.95	173	48765	9.284	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	113460	9.898	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	118125	9.895	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	120667	9.756	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	19140	8.636	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	82390	10.070	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	54370	8.445	ug/L	98
69) Naphthalene	13.74	128	143593	6.523	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	63055	8.603	ug/L	99

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

