

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032188.D
 Acq On : 21 May 2019 10:31
 Operator : JC/SP
 Sample : VSTD10054
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10054

Quant Time: May 22 01:39:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 01:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	826931	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	827262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	435813	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	526020	76.12	ug/L	0.00
7) Chloroethane-d5	1.66	69	444840	79.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	981135	78.56	ug/L	0.00
21) 2-Butanone-d5	4.17	46	709069	150.20	ug/L	0.00
24) Chloroform-d	4.64	84	1026609	86.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	605254	81.68	ug/L	0.00
32) Benzene-d6	5.33	84	2140190	91.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	622769	82.00	ug/L	0.00
41) Toluene-d8	7.56	98	2067753	97.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	316196	93.08	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	642709	204.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1026316	90.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	873710	96.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	625976	83.957	ug/L 99
3) Chloromethane	1.32	50	544072	67.804	ug/L 99
5) Vinyl chloride	1.40	62	622104	73.227	ug/L 99
6) Bromomethane	1.60	94	399665	85.891	ug/L 98
8) Chloroethane	1.68	64	372283	73.836	ug/L 99
9) Trichlorofluoromethane	1.87	101	862020	86.585	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	514595	84.748	ug/L 99
12) 1,1-Dichloroethene	2.28	96	524019	87.072	ug/L 93
13) Acetone	2.32	43	608171	124.432	ug/L 99
14) Carbon disulfide	2.47	76	1507511	78.874	ug/L 100
15) Methyl Acetate	2.61	43	472247	64.174	ug/L 99
16) Methylene chloride	2.69	84	589062	81.185	ug/L 99
17) trans-1,2-Dichloroethene	2.97	96	552564	88.263	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	1625396	85.675	ug/L 99
19) 1,1-Dichloroethane	3.44	63	918418	76.691	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	625005	90.612	ug/L 96
22) 2-Butanone	4.26	43	777015	139.617	ug/L 97
23) Bromochloromethane	4.54	128	329605	95.423	ug/L 98
25) Chloroform	4.67	83	1014165	84.031	ug/L 100
27) 1,2-Dichloroethane	5.40	62	754364	81.722	ug/L 98
29) Cyclohexane	4.99	56	792409	82.062	ug/L 99
30) 1,1,1-Trichloroethane	4.91	97	851902	89.734	ug/L 99
31) Carbon tetrachloride	5.13	117	750014	93.592	ug/L 98
33) Benzene	5.38	78	2261895	85.787	ug/L 100
34) Trichloroethene	6.18	95	602435	90.827	ug/L 99
35) Methylcyclohexane	6.41	83	959626	95.007	ug/L 98
37) 1,2-Dichloropropane	6.43	63	548407	78.663	ug/L 100
38) Bromodichloromethane	6.75	83	761961	87.144	ug/L 99
39) cis-1,3-Dichloropropene	7.26	75	925194	92.201	ug/L 99
40) 4-Methyl-2-pentanone	7.46	43	1363057	148.177	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	2605789	95.206	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	812956	91.989	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	596709	90.257	ug/L	97
46) Tetrachloroethene	8.22	164	505713	104.554	ug/L	96
48) 2-Hexanone	8.36	43	1158381	154.840	ug/L	99
49) Dibromochloromethane	8.47	129	657691	97.816	ug/L	98
50) 1,2-Dibromoethane	8.58	107	655062	93.533	ug/L	100
51) Chlorobenzene	9.11	112	1670207	94.846	ug/L	99
52) Ethylbenzene	9.24	91	2838568	96.738	ug/L	99
53) m,p-Xylene	9.37	106	1117645	103.331	ug/L	98
54) o-xylene	9.77	106	1131933	105.480	ug/L	98
55) Styrene	9.79	104	1962261	106.742	ug/L	99
56) Isopropylbenzene	10.16	105	2872060	104.638	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	1022494	86.961	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	788975	85.608	ug/L	100
61) Bromoform	9.95	173	535113	92.067	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1363838	95.725	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1406849	93.772	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1405038	93.157	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	226337	80.581	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	1053202	101.895	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	912344	114.750	ug/L	100
69) Naphthalene	13.74	128	2985380	115.195	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	971661	112.077	ug/L	98

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

