

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033493.D
 Acq On : 30 Jul 2019 15:22
 Operator : JC/SP
 Sample : VSTD01035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

Quant Time: Jul 31 07:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 07:35:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	313484	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	316099	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	163978	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	23832	10.08	ug/L	0.00
7) Chloroethane-d5	1.67	69	19954	9.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	44031	10.50	ug/L	0.00
21) 2-Butanone-d5	4.16	46	28740	18.92	ug/L	0.00
24) Chloroform-d	4.62	84	38825	9.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	25007	9.84	ug/L	0.00
32) Benzene-d6	5.32	84	77545	9.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	24131	9.63	ug/L	0.00
41) Toluene-d8	7.55	98	70551	9.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	11807	9.70	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	19489	16.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	36906	9.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	29457	10.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29606	9.488	ug/L 99
3) Chloromethane	1.32	50	30930	10.001	ug/L 99
5) Vinyl chloride	1.40	62	33039	9.391	ug/L 97
6) Bromomethane	1.62	94	20120	8.475	ug/L 97
8) Chloroethane	1.69	64	19064	8.919	ug/L 96
9) Trichlorofluoromethane	1.88	101	41837	9.050	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21657	10.137	ug/L 99
12) 1,1-Dichloroethene	2.27	96	21198	10.162	ug/L 94
13) Acetone	2.31	43	34037	18.198	ug/L 98
14) Carbon disulfide	2.46	76	63369	9.828	ug/L 99
15) Methyl Acetate	2.60	43	24358	9.760	ug/L 99
16) Methylene chloride	2.68	84	23359	9.699	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	20703	9.490	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	60707	9.014	ug/L 99
19) 1,1-Dichloroethane	3.42	63	40417	9.656	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	22837	9.299	ug/L 96
22) 2-Butanone	4.24	43	34298	16.343	ug/L 98
23) Bromochloromethane	4.52	128	12699	10.013	ug/L 97
25) Chloroform	4.65	83	42493	9.519	ug/L 98
27) 1,2-Dichloroethane	5.38	62	33383	9.727	ug/L 96
29) Cyclohexane	4.97	56	30211	8.644	ug/L 98
30) 1,1,1-Trichloroethane	4.89	97	35955	9.596	ug/L 99
31) Carbon tetrachloride	5.11	117	31016	9.473	ug/L 99
33) Benzene	5.37	78	87482	9.345	ug/L 100
34) Trichloroethene	6.17	95	23130	9.462	ug/L 96
35) Methylcyclohexane	6.40	83	34206	9.087	ug/L 99
37) 1,2-Dichloropropane	6.41	63	23643	9.346	ug/L # 98
38) Bromodichloromethane	6.74	83	31005	9.511	ug/L 99
39) cis-1,3-Dichloropropene	7.25	75	34845	8.885	ug/L 95
40) 4-Methyl-2-pentanone	7.44	43	60008	17.496	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.62	91	91996	9.124	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	32134	9.178	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	22571	9.423	ug/L	99
46) Tetrachloroethene	8.21	164	17921	9.339	ug/L	97
48) 2-Hexanone	8.35	43	48811	17.479	ug/L	96
49) Dibromochloromethane	8.46	129	25319	9.418	ug/L	99
50) 1,2-Dibromoethane	8.57	107	24620	9.399	ug/L #	97
51) Chlorobenzene	9.10	112	61350	9.321	ug/L	96
52) Ethylbenzene	9.23	91	96840	8.986	ug/L	100
53) m,p-Xylene	9.36	106	36904	9.041	ug/L	96
54) o-xylene	9.76	106	35757	8.807	ug/L	98
55) Styrene	9.78	104	58450	8.501	ug/L	100
56) Isopropylbenzene	10.15	105	91683	8.776	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	40595	9.606	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	31638	9.550	ug/L	98
61) Bromoform	9.94	173	18850	9.225	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	47127	9.175	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	51296	9.586	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	49057	9.347	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	8969	8.973	ug/L	90
67) 1,3,5-Trichlorobenzene	12.87	180	37414	9.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	29765	9.043	ug/L	96
69) Naphthalene	13.73	128	80430	7.794	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	32770	9.167	ug/L	99

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

