

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033492.D
 Acq On : 30 Jul 2019 14:59
 Operator : JC/SP
 Sample : VSTD00534
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:33:12 AM

Quant Time: Jul 31 07:42:20 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	310361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	309411	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	156023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	11227	4.79	ug/L	0.00
7) Chloroethane-d5	1.67	69	10646	5.30	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	19504	4.70	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13769m	9.15	ug/L	0.03
24) Chloroform-d	4.62	84	19599	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13081	5.20	ug/L	0.00
32) Benzene-d6	5.32	84	38329	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11970	4.88	ug/L	0.00
41) Toluene-d8	7.55	98	33207	4.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5433	4.56	ug/L	0.01
47) 2-Hexanone-d5	8.30	63	8936	7.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	18114	4.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	14732	5.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	12376	4.006	ug/L 96
3) Chloromethane	1.32	50	12534	4.093	ug/L 97
5) Vinyl chloride	1.40	62	12979	3.726	ug/L 92
6) Bromomethane	1.62	94	8207	3.492	ug/L 93
8) Chloroethane	1.69	64	8109	3.832	ug/L 84
9) Trichlorofluoromethane	1.88	101	17266	3.773	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	8839	4.179	ug/L 96
12) 1,1-Dichloroethene	2.27	96	8274	4.006	ug/L 94
13) Acetone	2.32	43	15908	8.591	ug/L 99
14) Carbon disulfide	2.46	76	25937	4.063	ug/L 99
15) Methyl Acetate	2.61	43	9846	3.985	ug/L 98
16) Methylene chloride	2.68	84	9487	3.979	ug/L 94
17) trans-1,2-Dichloroethene	2.97	96	8705	4.031	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	24066	3.610	ug/L 98
19) 1,1-Dichloroethane	3.42	63	15688	3.786	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	9354	3.847	ug/L 98
22) 2-Butanone	4.26	43	14669	7.060	ug/L 82
23) Bromochloromethane	4.53	128	4821	3.840	ug/L 88
25) Chloroform	4.65	83	17739	4.014	ug/L 98
27) 1,2-Dichloroethane	5.39	62	13069	3.846	ug/L 99
29) Cyclohexane	4.97	56	12501	3.654	ug/L 95
30) 1,1,1-Trichloroethane	4.90	97	14396	3.925	ug/L 99
31) Carbon tetrachloride	5.11	117	12307	3.840	ug/L 100
33) Benzene	5.37	78	34362	3.750	ug/L 100
34) Trichloroethene	6.17	95	9136	3.818	ug/L 96
35) Methylcyclohexane	6.40	83	12777	3.468	ug/L 96
37) 1,2-Dichloropropane	6.41	63	9706	3.920	ug/L # 92
38) Bromodichloromethane	6.74	83	12342	3.868	ug/L 99
39) cis-1,3-Dichloropropene	7.26	75	13557	3.532	ug/L 92
40) 4-Methyl-2-pentanone	7.45	43	22849	6.806	ug/L 97

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

42) Toluene	7.62	91	35251	3.572	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	12423	3.625	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	8934	3.811	ug/L	96
46) Tetrachloroethene	8.21	164	7364	3.921	ug/L	95
48) 2-Hexanone	8.35	43	19307	7.063	ug/L	92
49) Dibromochloromethane	8.46	129	9651	3.668	ug/L	97
50) 1,2-Dibromoethane	8.57	107	9833	3.835	ug/L	99
51) Chlorobenzene	9.10	112	24537	3.809	ug/L	96
52) Ethylbenzene	9.23	91	36347	3.446	ug/L	98
53) m,p-Xylene	9.36	106	13558	3.393	ug/L	94
54) o-xylene	9.76	106	13130	3.304	ug/L	100
55) Styrene	9.78	104	20605	3.062	ug/L	96
56) Isopropylbenzene	10.15	105	32585	3.186	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	16108	3.894	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	12196	3.761	ug/L	99
61) Bromoform	9.94	173	7303	3.756	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	18596	3.805	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	20702	4.066	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	18775	3.760	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	3284	3.453	ug/L	85
67) 1,3,5-Trichlorobenzene	12.87	180	14425	4.026	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	12001	3.832	ug/L	94
69) Naphthalene	13.73	128	29735	3.028	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	12039	3.539	ug/L	95

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

