

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035305.D
 Acq On : 19 Oct 2019 09:09
 Operator : JC/SP
 Sample : VSTD00534
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 8:31:22 AM

Quant Time: Oct 21 05:04:37 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Oct 21 04:45:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	659417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	634795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	224064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	27722	4.87	ug/L	0.00
7) Chloroethane-d5	1.93	69	23289	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	46712	4.98	ug/L	0.00
21) 2-Butanone-d5	4.70	46	37552	10.07	ug/L	0.00
24) Chloroform-d	5.12	84	43393	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	30455	5.10	ug/L	0.00
32) Benzene-d6	5.77	84	89763	4.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	29295	4.99	ug/L	0.00
41) Toluene-d8	7.93	98	84802	4.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	14511	4.71	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	23763m	9.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	43756	5.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	32298	6.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	28328	5.328 ug/L	99
3) Chloromethane	1.54	50	28463	5.300 ug/L	99
5) Vinyl chloride	1.62	62	28547	5.128 ug/L	93
6) Bromomethane	1.88	94	17428	5.369 ug/L	100
8) Chloroethane	1.96	64	17947	5.240 ug/L	96
9) Trichlorofluoromethane	2.16	101	37120	5.258 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21738	5.200 ug/L	98
12) 1,1-Dichloroethene	2.61	96	20731	5.190 ug/L	96
13) Acetone	2.67	43	35277	10.408 ug/L	100
14) Carbon disulfide	2.83	76	71588	5.856 ug/L	99
15) Methyl Acetate	3.00	43	25374	5.212 ug/L	100
16) Methylene chloride	3.09	84	25075	5.301 ug/L	92
17) trans-1,2-Dichloroethene	3.40	96	21799	5.075 ug/L	99
18) Methyl tert-butyl Ether	3.43	73	68481	4.974 ug/L	100
19) 1,1-Dichloroethane	3.93	63	41813	5.069 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	24718	5.090 ug/L	95
22) 2-Butanone	4.78	43	39910	9.779 ug/L	93
23) Bromochloromethane	5.03	128	12641	5.178 ug/L	97
25) Chloroform	5.14	83	43927	5.207 ug/L	100
27) 1,2-Dichloroethane	5.84	62	33704	5.102 ug/L	100
29) Cyclohexane	5.43	56	37086	5.197 ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	35746	5.127 ug/L	98
31) Carbon tetrachloride	5.57	117	31355	5.135 ug/L	99
33) Benzene	5.82	78	90873	5.010 ug/L	100
34) Trichloroethene	6.58	95	24301	5.231 ug/L	96
35) Methylcyclohexane	6.80	83	36586	5.121 ug/L	96
37) 1,2-Dichloropropane	6.83	63	23798	5.064 ug/L	100
38) Bromodichloromethane	7.15	83	31266	5.017 ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	35360	4.652 ug/L	97
40) 4-Methyl-2-pentanone	7.85	43	70097	10.577 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	101131	5.153	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	33942	4.790	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	23481	5.159	ug/L	98
46) Tetrachloroethene	8.58	164	19717	5.280	ug/L	96
48) 2-Hexanone	8.75	43	73035	13.299	ug/L #	98
49) Dibromochloromethane	8.84	129	25525	4.966	ug/L	96
50) 1,2-Dibromoethane	8.96	107	25869	5.122	ug/L #	98
51) Chlorobenzene	9.48	112	66904	5.297	ug/L	98
52) Ethylbenzene	9.60	91	111106	5.123	ug/L	100
53) m,p-Xylene	9.73	106	39830	5.003	ug/L	95
54) o-xylene	10.13	106	38811	4.810	ug/L	94
55) Styrene	10.15	104	57835	4.315	ug/L	98
56) Isopropylbenzene	10.51	105	98915	4.781	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	39553	4.956	ug/L	98
59) 1,2,3-Trichloropropane	10.86	75	31831	5.104	ug/L	99
61) Bromoform	10.32	173	17756	5.743	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	40554	5.707	ug/L	97
63) 1,4-Dichlorobenzene	11.87	146	42192	6.054	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	39800	5.611	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.03	75	6009	5.341	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	19857	4.938	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	11649	4.557	ug/L	98
69) Naphthalene	14.11	128	33177	5.197	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	13145	4.872	ug/L	98

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

