

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033778.D
 Acq On : 13 Aug 2019 10:30
 Operator : JC/SP
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Quant Time: Aug 14 01:37:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 01:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	421210	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	419631	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	224802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	388315	101.14	ug/L	0.00
7) Chloroethane-d5	1.67	69	313752	98.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	640437	94.51	ug/L	0.00
21) 2-Butanone-d5	4.15	46	471616	216.34	ug/L	0.00
24) Chloroform-d	4.62	84	612959	105.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	378403	101.74	ug/L	0.00
32) Benzene-d6	5.32	84	1236249	108.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	387594	109.53	ug/L	0.00
41) Toluene-d8	7.55	98	1163440	109.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	192188	111.40	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	361374	245.87	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	553412	102.71	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	452968	103.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	405430	96.251 ug/L	99
3) Chloromethane	1.32	50	413177	98.113 ug/L	99
5) Vinyl chloride	1.39	62	457692	95.575 ug/L	99
6) Bromomethane	1.61	94	397626	112.573 ug/L	97
8) Chloroethane	1.68	64	272199	92.328 ug/L	99
9) Trichlorofluoromethane	1.87	101	577659	92.650 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	285943	91.784 ug/L	99
12) 1,1-Dichloroethene	2.27	96	282205	93.522 ug/L	97
13) Acetone	2.31	43	362042	169.268 ug/L	100
14) Carbon disulfide	2.46	76	888390	96.355 ug/L	100
15) Methyl Acetate	2.60	43	332642	95.873 ug/L	98
16) Methylene chloride	2.68	84	319424	94.435 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	299087	97.295 ug/L	100
18) Methyl tert-butyl Ether	2.98	73	935273	103.639 ug/L	99
19) 1,1-Dichloroethane	3.42	63	562181	97.459 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	336985	99.843 ug/L	96
22) 2-Butanone	4.23	43	499853	195.249 ug/L	100
23) Bromochloromethane	4.52	128	172673	96.078 ug/L	98
25) Chloroform	4.65	83	581748	95.519 ug/L	100
27) 1,2-Dichloroethane	5.38	62	453521	95.524 ug/L	100
29) Cyclohexane	4.97	56	497458	107.754 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	494117	98.527 ug/L	99
31) Carbon tetrachloride	5.11	117	444523	99.648 ug/L	100
33) Benzene	5.37	78	1280564	101.429 ug/L	100
34) Trichloroethene	6.16	95	327361	99.495 ug/L	99
35) Methylcyclohexane	6.40	83	529633	105.484 ug/L	98
37) 1,2-Dichloropropane	6.41	63	344815	101.338 ug/L	100
38) Bromodichloromethane	6.74	83	440427	98.672 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	550770	108.999 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	914894	206.258 ug/L	100

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42) Toluene	7.62	91	1402639	103.698	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	491267	106.968	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	318399	98.547	ug/L	99
46) Tetrachloroethene	8.21	164	266083	99.122	ug/L	99
48) 2-Hexanone	8.34	43	715984	199.467	ug/L	99
49) Dibromochloromethane	8.46	129	365894	101.208	ug/L	100
50) 1,2-Dibromoethane	8.57	107	347940	99.505	ug/L	100
51) Chlorobenzene	9.10	112	866638	96.829	ug/L	100
52) Ethylbenzene	9.23	91	1513046	103.448	ug/L	100
53) m,p-Xylene	9.36	106	576227	104.697	ug/L	100
54) o-xylene	9.76	106	564754	104.697	ug/L	98
55) Styrene	9.77	104	981142	107.059	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	538168	94.378	ug/L	99
59) Bromoform	9.94	173	278876	98.381	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	424886	92.572	ug/L	100
61) Isopropylbenzene	10.15	105	1462336	101.490	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	1242759	106.773	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	1231205	106.583	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	700896	95.272	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	707921	92.992	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	704268	95.821	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	129583	101.845	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	548457	98.254	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	501751	107.174	ug/L	99
71) Naphthalene	13.73	128	1631148	119.667	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	521683	106.727	ug/L	98

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

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