

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031919\
 Data File : VU030185.D
 Acq On : 19 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTD01045
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01045

Quant Time: Mar 20 02:27:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 02:24:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	527504	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	513021	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	254137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37059	10.39	ug/L	0.00
7) Chloroethane-d5	1.68	69	29100	10.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	66256	10.18	ug/L	0.00
21) 2-Butanone-d5	4.18	46	50516	19.45	ug/L	0.00
24) Chloroform-d	4.65	84	65795	10.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	37618	10.08	ug/L	0.00
32) Benzene-d6	5.34	84	136001	10.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	41991	10.04	ug/L	0.00
41) Toluene-d8	7.56	98	126942	9.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	19865	9.75	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	39243	18.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63703	9.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	51356	10.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	45669	10.226	ug/L 98
3) Chloromethane	1.33	50	43713	10.112	ug/L 97
5) Vinyl chloride	1.40	62	44851	9.773	ug/L 96
6) Bromomethane	1.63	94	25207	10.150	ug/L 97
8) Chloroethane	1.70	64	28131	10.368	ug/L 97
9) Trichlorofluoromethane	1.89	101	59043	10.131	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	35927	10.138	ug/L 99
12) 1,1-Dichloroethene	2.29	96	35174	9.995	ug/L 94
13) Acetone	2.32	43	60933	22.037	ug/L 98
14) Carbon disulfide	2.48	76	106400	10.122	ug/L 99
15) Methyl Acetate	2.62	43	39536	9.832	ug/L 98
16) Methylene chloride	2.70	84	41429	10.380	ug/L 93
17) trans-1,2-Dichloroethene	2.98	96	36661	9.885	ug/L 92
18) Methyl tert-butyl Ether	3.00	73	103015	9.656	ug/L 99
19) 1,1-Dichloroethane	3.45	63	63403	9.939	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	39877	9.814	ug/L 96
22) 2-Butanone	4.27	43	63603	19.920	ug/L 95
23) Bromochloromethane	4.55	128	21589	9.927	ug/L 99
25) Chloroform	4.67	83	66670	10.032	ug/L 96
27) 1,2-Dichloroethane	5.40	62	46513	9.874	ug/L 99
29) Cyclohexane	4.99	56	51784	9.290	ug/L 93
30) 1,1,1-Trichloroethane	4.91	97	55094	9.965	ug/L 99
31) Carbon tetrachloride	5.13	117	48221	9.852	ug/L 98
33) Benzene	5.39	78	147316	9.953	ug/L 100
34) Trichloroethene	6.19	95	38993	9.995	ug/L 99
35) Methylcyclohexane	6.41	83	57032	9.323	ug/L 94
37) 1,2-Dichloropropane	6.43	63	38851	10.249	ug/L 98
38) Bromodichloromethane	6.76	83	47827	9.813	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	57399	9.438	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	97514	18.717	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	157496	9.776	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	49515	9.409	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	39012	10.026	ug/L	99
46) Tetrachloroethene	8.22	164	33360	10.121	ug/L	98
48) 2-Hexanone	8.36	43	82011	18.966	ug/L	95
49) Dibromochloromethane	8.47	129	42056	9.638	ug/L	96
50) 1,2-Dibromoethane	8.58	107	42575	9.869	ug/L	99
51) Chlorobenzene	9.12	112	105119	9.862	ug/L	97
52) Ethylbenzene	9.25	91	167618	9.581	ug/L	100
53) m,p-Xylene	9.37	106	65682	9.744	ug/L	99
54) o-xylene	9.78	106	62294	9.401	ug/L	96
55) Styrene	9.79	104	103783	9.244	ug/L	97
56) Isopropylbenzene	10.16	105	160500	9.369	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	64779	9.763	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	49858	9.732	ug/L	98
61) Bromoform	9.96	173	31126	9.484	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	79765	9.838	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	82171	9.770	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	81504	9.839	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	13053	9.424	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	59947	9.460	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	50691	9.046	ug/L	97
69) Naphthalene	13.74	128	153101	8.611	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	53860	9.211	ug/L	96

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

