

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031399.D
 Acq On : 22 Apr 2019 17:50
 Operator : JC/SP
 Sample : VSTD01049
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01049

Quant Time: Apr 23 02:58:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 02:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	698710	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	650910	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	288509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54219	8.50	ug/L	0.00
7) Chloroethane-d5	1.68	69	42537	7.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	99259	7.99	ug/L	0.00
21) 2-Butanone-d5	4.20	46	80764	17.64	ug/L	0.01
24) Chloroform-d	4.64	84	86654	8.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	53329	8.36	ug/L	0.00
32) Benzene-d6	5.34	84	184334	9.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	58800	8.89	ug/L	0.00
41) Toluene-d8	7.56	98	164177	9.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	25670	8.20	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	54834	17.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	77335	8.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	58262	8.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	54148	8.651	ug/L 100
3) Chloromethane	1.32	50	69945	9.282	ug/L 98
5) Vinyl chloride	1.40	62	67844	8.988	ug/L 99
6) Bromomethane	1.63	94	39830	8.254	ug/L 99
8) Chloroethane	1.70	64	38654	8.193	ug/L 96
9) Trichlorofluoromethane	1.88	101	80552	7.877	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	47630	8.726	ug/L 99
12) 1,1-Dichloroethene	2.28	96	44836	8.357	ug/L 88
13) Acetone	2.34	43	75612	20.880	ug/L 96
14) Carbon disulfide	2.47	76	139344	9.495	ug/L 97
15) Methyl Acetate	2.62	43	65295	10.334	ug/L 99
16) Methylene chloride	2.70	84	52317	9.819	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	46917	9.361	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	152176	9.644	ug/L 100
19) 1,1-Dichloroethane	3.44	63	93971	9.532	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	53629	9.456	ug/L 98
22) 2-Butanone	4.28	43	88590	18.316	ug/L 95
23) Bromochloromethane	4.55	128	27439	9.759	ug/L 94
25) Chloroform	4.67	83	90345	9.176	ug/L 94
27) 1,2-Dichloroethane	5.41	62	68025	9.100	ug/L 98
29) Cyclohexane	4.99	56	82923	9.238	ug/L 100
30) 1,1,1-Trichloroethane	4.91	97	74027	8.800	ug/L 97
31) Carbon tetrachloride	5.13	117	64452	8.866	ug/L 100
33) Benzene	5.39	78	201048	9.332	ug/L 100
34) Trichloroethene	6.19	95	54223	9.955	ug/L 97
35) Methylcyclohexane	6.41	83	77071	9.481	ug/L 99
37) 1,2-Dichloropropane	6.43	63	53904	9.377	ug/L 99
38) Bromodichloromethane	6.76	83	64635	8.910	ug/L 95
39) cis-1,3-Dichloropropene	7.27	75	78427	9.051	ug/L 97
40) 4-Methyl-2-pentanone	7.46	43	161969	19.826	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	204320	9.407	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	66895	8.987	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	48872	9.451	ug/L	99
46) Tetrachloroethene	8.22	164	37143	9.099	ug/L	94
48) 2-Hexanone	8.37	43	123889	19.094	ug/L	98
49) Dibromochloromethane	8.47	129	49426	8.854	ug/L	96
50) 1,2-Dibromoethane	8.59	107	51346	9.362	ug/L	97
51) Chlorobenzene	9.12	112	129182	9.543	ug/L	99
52) Ethylbenzene	9.25	91	220135	9.335	ug/L	100
53) m,p-Xylene	9.37	106	77438	9.269	ug/L	97
54) o-xylene	9.78	106	80347	9.484	ug/L	98
55) Styrene	9.79	104	126182	8.892	ug/L	96
56) Isopropylbenzene	10.16	105	202366	9.322	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	85790	9.614	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	66629	9.697	ug/L	99
61) Bromoform	9.95	173	39621	10.028	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	89722	9.441	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	90380	9.517	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	93887	9.421	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	16454	8.627	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	65099	9.168	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	46172	8.067	ug/L	98
69) Naphthalene	13.74	128	160270	8.810	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	52746	8.460	ug/L	97

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

