

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021519\
 Data File : VU029488.D
 Acq On : 15 Feb 2019 10:45
 Operator : JC/SP
 Sample : VSTD01042
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01042

Quant Time: Feb 15 22:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 15 22:27:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	404729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	383447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195805	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29341	9.31	ug/L	0.00
7) Chloroethane-d5	1.68	69	25311	10.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	60415	10.88	ug/L	0.00
21) 2-Butanone-d5	4.18	46	34362	15.95	ug/L	0.00
24) Chloroform-d	4.65	84	46419	9.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29768	9.62	ug/L	0.00
32) Benzene-d6	5.34	84	96903	9.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29627	8.47	ug/L	0.00
41) Toluene-d8	7.56	98	94903	9.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	14720	9.18	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	30456	18.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46388	9.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	41512	10.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	27619	8.693 ug/L	100
3) Chloromethane	1.33	50	25010	6.169 ug/L	95
5) Vinyl chloride	1.40	62	32308	8.485 ug/L	93
6) Bromomethane	1.63	94	12860	7.854 ug/L	96
8) Chloroethane	1.70	64	20798	9.372 ug/L	97
9) Trichlorofluoromethane	1.88	101	51792	12.165 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	31046	11.622 ug/L	99
12) 1,1-Dichloroethene	2.28	96	28746	10.921 ug/L	97
13) Acetone	2.32	43	43610	19.721 ug/L	97
14) Carbon disulfide	2.48	76	68356	7.916 ug/L	99
15) Methyl Acetate	2.62	43	24550	7.275 ug/L	98
16) Methylene chloride	2.70	84	25151	8.185 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	23801	8.725 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	73176	8.713 ug/L	98
19) 1,1-Dichloroethane	3.45	63	42475	8.188 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	27336	8.832 ug/L	91
22) 2-Butanone	4.27	43	42664	15.973 ug/L	96
23) Bromochloromethane	4.55	128	15104	9.905 ug/L	97
25) Chloroform	4.67	83	45394	8.945 ug/L	99
27) 1,2-Dichloroethane	5.40	62	33913	8.917 ug/L	99
29) Cyclohexane	4.99	56	38390	8.019 ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	40067	9.943 ug/L	98
31) Carbon tetrachloride	5.13	117	36158	10.865 ug/L	99
33) Benzene	5.39	78	98082	8.415 ug/L	100
34) Trichloroethene	6.19	95	25871	8.985 ug/L	98
35) Methylcyclohexane	6.41	83	43727	9.220 ug/L	99
37) 1,2-Dichloropropane	6.43	63	25753	7.976 ug/L	# 93
38) Bromodichloromethane	6.76	83	34092	9.244 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	38488	8.158 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	68846	15.792 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	111621	9.225	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	35987	8.532	ug/L	96
45) 1,1,2-Trichloroethane	8.07	97	26748	9.307	ug/L	99
46) Tetrachloroethene	8.23	164	25505	10.966	ug/L	94
48) 2-Hexanone	8.36	43	58203	16.168	ug/L	99
49) Dibromochloromethane	8.48	129	31394	10.568	ug/L	97
50) 1,2-Dibromoethane	8.58	107	29323	9.726	ug/L	100
51) Chlorobenzene	9.12	112	75368	9.675	ug/L	99
52) Ethylbenzene	9.25	91	123253	9.359	ug/L	99
53) m,p-Xylene	9.37	106	49462	10.055	ug/L	95
54) o-xylene	9.78	106	48850	9.874	ug/L	96
55) Styrene	9.79	104	77914	9.325	ug/L	97
56) Isopropylbenzene	10.16	105	126474	10.004	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46255	8.931	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	35613	8.954	ug/L	100
61) Bromoform	9.96	173	24684	10.068	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	60147	9.680	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	59897	9.381	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	64779	10.046	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	9788	8.882	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	44054	9.586	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	35931	9.245	ug/L	98
69) Naphthalene	13.74	128	106033	8.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	39969	9.601	ug/L	95

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

