

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029912.D
 Acq On : 09 Mar 2019 11:41
 Operator : JC/SP
 Sample : VSTD01043
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01043

Quant Time: Mar 11 01:58:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 01:54:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523474	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502646	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	248329	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32050	8.61	ug/L	0.00
7) Chloroethane-d5	1.68	69	27133	8.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	61212	8.57	ug/L	0.00
21) 2-Butanone-d5	4.18	46	46571	19.67	ug/L	0.01
24) Chloroform-d	4.65	84	61434	9.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	36784	9.43	ug/L	0.00
32) Benzene-d6	5.34	84	127635	10.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	39201	10.32	ug/L	0.00
41) Toluene-d8	7.56	98	119709	9.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	17577	8.88	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	37859	17.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58562	9.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	50612	9.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	39017	10.484	ug/L 97
3) Chloromethane	1.33	50	52514	14.577	ug/L 98
5) Vinyl chloride	1.40	62	39967	9.347	ug/L 97
6) Bromomethane	1.63	94	10659	5.854	ug/L 96
8) Chloroethane	1.70	64	24236	8.616	ug/L 97
9) Trichlorofluoromethane	1.88	101	53501	8.102	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32890	9.205	ug/L 97
12) 1,1-Dichloroethene	2.28	96	32385	9.501	ug/L 89
13) Acetone	2.32	43	56858	22.109	ug/L 99
14) Carbon disulfide	2.48	76	97627	10.411	ug/L 99
15) Methyl Acetate	2.61	43	36683	10.838	ug/L 96
16) Methylene chloride	2.70	84	36656	10.560	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	33279	10.147	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	80853	8.341	ug/L 99
19) 1,1-Dichloroethane	3.44	63	57732	10.156	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	37934	9.974	ug/L 97
22) 2-Butanone	4.26	43	59594	20.234	ug/L 99
23) Bromochloromethane	4.55	128	19726	9.687	ug/L 94
25) Chloroform	4.67	83	63908	10.184	ug/L 96
27) 1,2-Dichloroethane	5.40	62	45138	9.507	ug/L 99
29) Cyclohexane	4.99	56	49056	9.660	ug/L 99
30) 1,1,1-Trichloroethane	4.91	97	50266	9.391	ug/L 99
31) Carbon tetrachloride	5.13	117	42873	8.912	ug/L 100
33) Benzene	5.39	78	131734	10.031	ug/L 100
34) Trichloroethene	6.18	95	37213	10.608	ug/L 95
35) Methylcyclohexane	6.41	83	55830	9.552	ug/L 98
37) 1,2-Dichloropropane	6.43	63	34456	10.051	ug/L # 87
38) Bromodichloromethane	6.76	83	42252	9.228	ug/L 95
39) cis-1,3-Dichloropropene	7.27	75	50626	9.289	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	88568	18.533	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	143673	9.372	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	45300	8.852	ug/L	91
45) 1,1,2-Trichloroethane	8.06	97	34530	9.546	ug/L	97
46) Tetrachloroethene	8.23	164	30325	8.986	ug/L	97
48) 2-Hexanone	8.36	43	72156	17.314	ug/L	98
49) Dibromochloromethane	8.48	129	37126	8.637	ug/L	95
50) 1,2-Dibromoethane	8.59	107	38307	9.590	ug/L	99
51) Chlorobenzene	9.12	112	95797	9.189	ug/L	100
52) Ethylbenzene	9.25	91	154556	8.954	ug/L	100
53) m,p-Xylene	9.37	106	57432	8.335	ug/L	97
54) o-xylene	9.78	106	56362	8.163	ug/L	96
55) Styrene	9.79	104	87884	7.589	ug/L	100
56) Isopropylbenzene	10.16	105	148363	8.218	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	59245	9.273	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	45092	9.335	ug/L	98
61) Bromoform	9.96	173	27706	8.387	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	72297	9.135	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	76688	9.616	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	77527	9.408	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	11742	9.242	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	54539	9.035	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	47810	9.115	ug/L	99
69) Naphthalene	13.74	128	141203	8.817	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	50843	9.133	ug/L	98

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

