

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\
 Data File : VU029911.D
 Acq On : 09 Mar 2019 11:18
 Operator : JC/SP
 Sample : VSTD00542
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Quant Time: Mar 11 01:57:44 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	509758	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488096	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238524	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14173	3.91	ug/L	0.00
7) Chloroethane-d5	1.68	69	12630	3.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	26674	3.84	ug/L	0.00
21) 2-Butanone-d5	4.19	46	20439	8.87	ug/L	0.02
24) Chloroform-d	4.65	84	28051	4.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	16811	4.43	ug/L	0.00
32) Benzene-d6	5.34	84	57098	4.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	16982	4.60	ug/L	0.00
41) Toluene-d8	7.56	98	53414	4.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8257	4.29	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	15441	7.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25786	4.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	23447	4.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	18697	5.159	ug/L 95
3) Chloromethane	1.33	50	26735	7.621	ug/L 97
5) Vinyl chloride	1.41	62	17615	4.231	ug/L 94
6) Bromomethane	1.63	94	4925	2.777	ug/L 98
8) Chloroethane	1.70	64	12048	4.399	ug/L 97
9) Trichlorofluoromethane	1.89	101	24443	3.801	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	15001	4.311	ug/L 99
12) 1,1-Dichloroethene	2.28	96	14079	4.241	ug/L 94
13) Acetone	2.32	43	26940	10.757	ug/L 100
14) Carbon disulfide	2.48	76	44874	4.914	ug/L 99
15) Methyl Acetate	2.62	43	15676	4.756	ug/L 97
16) Methylene chloride	2.70	84	17300	5.118	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	14881	4.660	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	33627	3.562	ug/L 98
19) 1,1-Dichloroethane	3.44	63	26371	4.764	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	17274	4.664	ug/L 99
22) 2-Butanone	4.27	43	25474	8.882	ug/L 98
23) Bromochloromethane	4.55	128	8971	4.524	ug/L 89
25) Chloroform	4.67	83	29653	4.853	ug/L 98
27) 1,2-Dichloroethane	5.40	62	19876	4.299	ug/L 100
29) Cyclohexane	4.99	56	22197	4.501	ug/L # 89
30) 1,1,1-Trichloroethane	4.91	97	21979	4.229	ug/L 95
31) Carbon tetrachloride	5.13	117	20767	4.446	ug/L 94
33) Benzene	5.39	78	59360	4.655	ug/L 100
34) Trichloroethene	6.19	95	16706	4.904	ug/L 99
35) Methylcyclohexane	6.41	83	25337	4.464	ug/L 99
37) 1,2-Dichloropropane	6.43	63	16244	4.880	ug/L 99
38) Bromodichloromethane	6.75	83	18996	4.273	ug/L 99
39) cis-1,3-Dichloropropene	7.27	75	22665	4.283	ug/L 97
40) 4-Methyl-2-pentanone	7.46	43	39372	8.484	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	62402	4.192	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	18834	3.790	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	16833	4.792	ug/L	93
46) Tetrachloroethene	8.22	164	14250	4.349	ug/L	96
48) 2-Hexanone	8.36	43	32947	8.141	ug/L	99
49) Dibromochloromethane	8.47	129	17032	4.080	ug/L	95
50) 1,2-Dibromoethane	8.59	107	16798	4.331	ug/L	100
51) Chlorobenzene	9.12	112	44926	4.438	ug/L	97
52) Ethylbenzene	9.25	91	68659	4.096	ug/L	96
53) m,p-Xylene	9.38	106	25523	3.814	ug/L	94
54) o-xylene	9.78	106	25798	3.848	ug/L	96
55) Styrene	9.79	104	39098	3.477	ug/L	94
56) Isopropylbenzene	10.16	105	65345	3.727	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	26368	4.250	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	19967	4.257	ug/L	94
61) Bromoform	9.96	173	12301	3.877	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	34883	4.589	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	36051	4.706	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	35153	4.441	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5195	4.257	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	25907	4.468	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	21451	4.258	ug/L	95
69) Naphthalene	13.74	128	70830	4.605	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	25052	4.685	ug/L	96

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

