

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080519\
 Data File : VU033592.D
 Acq On : 05 Aug 2019 11:19
 Operator : JC/SP
 Sample : VSTD01031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Quant Time: Aug 05 16:55:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 05 16:26:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	326395	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	316511	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	19277	8.49	ug/L	0.00
7) Chloroethane-d5	1.67	69	17724	7.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	37204	8.62	ug/L	0.00
21) 2-Butanone-d5	4.16	46	31396	17.66	ug/L	0.01
24) Chloroform-d	4.62	84	37318	8.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	23578	8.85	ug/L	0.00
32) Benzene-d6	5.32	84	72745	8.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	23590	8.91	ug/L	0.00
41) Toluene-d8	7.55	98	64397	8.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	11739	9.10	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	20630	16.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	35021	8.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	27786	8.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	26834	8.598	ug/L 100
3) Chloromethane	1.32	50	29561	9.123	ug/L 99
5) Vinyl chloride	1.40	62	32078	9.345	ug/L 97
6) Bromomethane	1.62	94	22434	9.215	ug/L 99
8) Chloroethane	1.69	64	21089	8.250	ug/L 95
9) Trichlorofluoromethane	1.87	101	42193	9.099	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	21450	9.168	ug/L 97
12) 1,1-Dichloroethene	2.27	96	20249	9.009	ug/L 97
13) Acetone	2.32	43	35152	20.174	ug/L 98
14) Carbon disulfide	2.46	76	64263	9.604	ug/L 99
15) Methyl Acetate	2.60	43	26151	9.005	ug/L 100
16) Methylene chloride	2.68	84	24567	9.435	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	22249	9.501	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	65221	8.874	ug/L 99
19) 1,1-Dichloroethane	3.42	63	41115	9.154	ug/L 96
20) cis-1,2-Dichloroethene	4.20	96	22759	8.582	ug/L 97
22) 2-Butanone	4.25	43	38739	18.097	ug/L 98
23) Bromochloromethane	4.53	128	12940	9.545	ug/L 94
25) Chloroform	4.65	83	42711	9.055	ug/L 97
27) 1,2-Dichloroethane	5.38	62	32772	9.030	ug/L 97
29) Cyclohexane	4.97	56	32817	8.954	ug/L 100
30) 1,1,1-Trichloroethane	4.89	97	35581	9.186	ug/L 99
31) Carbon tetrachloride	5.11	117	30840	9.144	ug/L 99
33) Benzene	5.37	78	90831	9.389	ug/L 100
34) Trichloroethene	6.17	95	23190	9.104	ug/L 97
35) Methylcyclohexane	6.40	83	33961	8.782	ug/L 96
37) 1,2-Dichloropropane	6.41	63	25189	9.514	ug/L # 95
38) Bromodichloromethane	6.74	83	30990	9.034	ug/L 98
39) cis-1,3-Dichloropropene	7.25	75	36086	8.909	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	68775	17.974	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	94119	8.990	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	32869	8.886	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	22963	9.070	ug/L	99
46) Tetrachloroethene	8.21	164	19287	9.399	ug/L	95
48) 2-Hexanone	8.35	43	54182	17.580	ug/L	98
49) Dibromochloromethane	8.46	129	25348	8.875	ug/L	97
50) 1,2-Dibromoethane	8.57	107	24699	8.997	ug/L	97
51) Chlorobenzene	9.10	112	63390	9.259	ug/L	98
52) Ethylbenzene	9.23	91	100090	8.975	ug/L	100
53) m,p-Xylene	9.36	106	37928	8.929	ug/L	93
54) o-xylene	9.76	106	36704	8.766	ug/L	94
55) Styrene	9.78	104	61950	8.725	ug/L	97
56) Isopropylbenzene	10.15	105	93844	8.654	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	41312	9.115	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	32596	9.121	ug/L	99
61) Bromoform	9.94	173	19083	8.837	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	49632	9.141	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	51432	9.250	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	49862	9.178	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	8916	8.558	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	38052	9.077	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	29556	8.384	ug/L	97
69) Naphthalene	13.73	128	79687	7.782	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	32781	8.700	ug/L	95

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

