

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033210.D
 Acq On : 12 Jul 2019 09:41
 Operator : JC/SP
 Sample : VSTD01033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 10:05:48 AM

Quant Time: Jul 12 23:37:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 23:28:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	300959	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	298317	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139399	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	23336	11.22	ug/L	0.00
7) Chloroethane-d5	1.67	69	20381	12.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	39633	9.48	ug/L	0.00
21) 2-Butanone-d5	4.16	46	27209m	16.58	ug/L	0.00
24) Chloroform-d	4.62	84	38465	9.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	25441	9.79	ug/L	0.00
32) Benzene-d6	5.32	84	74584	9.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	24115	10.04	ug/L	0.00
41) Toluene-d8	7.55	98	68396	9.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	10856	8.71	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	18806	16.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	36505	9.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	25332	9.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	29053	9.707 ug/L	99
3) Chloromethane	1.32	50	27862	10.076 ug/L	98
5) Vinyl chloride	1.40	62	33172	11.755 ug/L	99
6) Bromomethane	1.62	94	18083	10.967 ug/L	96
8) Chloroethane	1.69	64	20423	12.319 ug/L	97
9) Trichlorofluoromethane	1.87	101	45385	11.609 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	20051	9.937 ug/L	99
12) 1,1-Dichloroethene	2.27	96	19453	10.145 ug/L	91
13) Acetone	2.31	43	39403	17.732 ug/L	97
14) Carbon disulfide	2.46	76	59740	9.990 ug/L	99
15) Methyl Acetate	2.60	43	23105	8.898 ug/L	100
16) Methylene chloride	2.68	84	22779	10.284 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	20045	9.814 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	58557	9.004 ug/L	97
19) 1,1-Dichloroethane	3.42	63	39523	10.182 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	22585	10.090 ug/L	98
22) 2-Butanone	4.24	43	38199	16.363 ug/L	94
23) Bromochloromethane	4.52	128	11845	10.228 ug/L	94
25) Chloroform	4.65	83	42507	10.558 ug/L	98
27) 1,2-Dichloroethane	5.38	62	32765	10.005 ug/L	99
29) Cyclohexane	4.97	56	29502	8.668 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	34419	9.721 ug/L	99
31) Carbon tetrachloride	5.11	117	30029	9.372 ug/L	99
33) Benzene	5.37	78	84908	9.986 ug/L	100
34) Trichloroethene	6.16	95	22263	9.867 ug/L	95
35) Methylcyclohexane	6.40	83	31981	9.170 ug/L	100
37) 1,2-Dichloropropane	6.41	63	23196	9.987 ug/L	99
38) Bromodichloromethane	6.74	83	29603	9.533 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	34178	9.534 ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	58838	16.303 ug/L	97

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42) Toluene	7.62	91	89221	9.697	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	29868	8.846	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	21704	10.019	ug/L	97
46) Tetrachloroethene	8.21	164	17251	9.419	ug/L	96
48) 2-Hexanone	8.35	43	46037	14.658	ug/L	100
49) Dibromochloromethane	8.46	129	23512	9.137	ug/L	100
50) 1,2-Dibromoethane	8.57	107	23206	9.659	ug/L	97
51) Chlorobenzene	9.10	112	58965	9.755	ug/L	99
52) Ethylbenzene	9.23	91	92087	9.070	ug/L	98
53) m,p-Xylene	9.36	106	33466	8.721	ug/L	98
54) o-xylene	9.76	106	34005	9.055	ug/L	99
55) Styrene	9.77	104	55555	8.554	ug/L	95
56) Isopropylbenzene	10.15	105	85262	8.485	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	37855	9.640	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	29356	9.484	ug/L	98
61) Bromoform	9.94	173	16561	9.371	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	40275	9.441	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	43027	9.741	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	41533	9.513	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8634	10.452	ug/L	84
67) 1,3,5-Trichlorobenzene	12.87	180	28467	8.405	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	23782	8.224	ug/L	99
69) Naphthalene	13.73	128	68896	7.654	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	26536	8.644	ug/L	96

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

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