

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100119\
 Data File : VU034883.D
 Acq On : 30 Sep 2019 17:18
 Operator : JC/SP
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 10:52:53 AM

Quant Time: Oct 01 03:45:16 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Oct 01 02:35:34 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	332245	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	319269	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	127422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	11771	3.68	ug/L	0.00
7) Chloroethane-d5	1.68	69	10227	4.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	21022	3.85	ug/L	0.00
21) 2-Butanone-d5	4.17	46	19156	7.58	ug/L	0.02
24) Chloroform-d	4.63	84	21341	4.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	16739	4.68	ug/L	0.00
32) Benzene-d6	5.32	84	42777	4.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	15632	4.66	ug/L	0.00
41) Toluene-d8	7.55	98	40502	4.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5600	3.52	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	11644m	6.94	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.41	84	20190	4.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	13175	4.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	9816	3.110	ug/L	95
3) Chloromethane	1.32	50	8554	2.340	ug/L	97
5) Vinyl chloride	1.40	62	8019	2.391	ug/L	98
6) Bromomethane	1.62	94	4379	2.405	ug/L	99
8) Chloroethane	1.69	64	5523	2.839	ug/L	95
9) Trichlorofluoromethane	1.88	101	12532	2.892	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7918	3.692	ug/L	99
12) 1,1-Dichloroethene	2.27	96	6152	3.078	ug/L	92
13) Acetone	2.31	43	18778	6.628	ug/L	96
14) Carbon disulfide	2.46	76	9474	1.501	ug/L #	93
15) Methyl Acetate	2.61	43	13839	3.596	ug/L #	74
16) Methylene chloride	2.69	84	9456	3.651	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	6072	2.789	ug/L	95
18) Methyl tert-butyl Ether	2.98	73	35442	4.157	ug/L	99
19) 1,1-Dichloroethane	3.43	63	18836	3.652	ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	8879	3.377	ug/L	95
22) 2-Butanone	4.25	43	20443m	6.026	ug/L	
23) Bromochloromethane	4.53	128	4419m	3.525	ug/L	
25) Chloroform	4.65	83	22127	4.287	ug/L	98
27) 1,2-Dichloroethane	5.39	62	15653	3.576	ug/L	99
29) Cyclohexane	4.98	56	11639m	2.468	ug/L	
30) 1,1,1-Trichloroethane	4.89	97	15656	3.784	ug/L	99
31) Carbon tetrachloride	5.12	117	11437	3.301	ug/L	97
33) Benzene	5.37	78	32755	3.177	ug/L	100
34) Trichloroethene	6.17	95	8498	3.326	ug/L	97
35) Methylcyclohexane	6.39	83	10183	2.431	ug/L	98
37) 1,2-Dichloropropane	6.41	63	11445	3.673	ug/L #	93
38) Bromodichloromethane	6.74	83	13774	3.606	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	14778m	3.150	ug/L	
40) 4-Methyl-2-pentanone	7.44	43	42345	7.028	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	35453	3.187	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	12280	2.931	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	10567	4.119	ug/L	94
46) Tetrachloroethene	8.21	164	5326	2.996	ug/L	89
48) 2-Hexanone	8.35	43	31581m	6.764	ug/L	
49) Dibromochloromethane	8.46	129	9932	3.500	ug/L	91
50) 1,2-Dibromoethane	8.57	107	9374	3.475	ug/L	98
51) Chlorobenzene	9.10	112	24795	3.607	ug/L	96
52) Ethylbenzene	9.23	91	40075	3.173	ug/L	100
53) m,p-Xylene	9.36	106	14047	3.158	ug/L	95
54) o-xylene	9.76	106	14879	3.347	ug/L	91
55) Styrene	9.78	104	24574m	3.249	ug/L	
56) Isopropylbenzene	10.14	105	40728	3.375	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	21368	4.309	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	17052	4.246	ug/L	95
61) Bromoform	9.94	173	6527	3.835	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	17668	4.138	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	17981	4.142	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	18712	4.291	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	3087	3.329	ug/L	91
67) 1,3,5-Trichlorobenzene	12.87	180	9844	3.394	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	6631m	2.925	ug/L	
69) Naphthalene	13.74	128	17018m	2.176	ug/L	
70) 1,2,3-Trichlorobenzene	13.97	180	8189m	3.468	ug/L	

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

