

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033775.D
 Acq On : 13 Aug 2019 09:20
 Operator : JC/SP
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:34 AM

Quant Time: Aug 14 03:42:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 01:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	404025	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	400820	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	194250	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	20052	5.45	ug/L	0.00
7) Chloroethane-d5	1.67	69	16963	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	32080	4.94	ug/L	0.00
21) 2-Butanone-d5	4.17	46	19154m	9.16	ug/L	0.02
24) Chloroform-d	4.63	84	30447	5.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	18599	5.21	ug/L	0.00
32) Benzene-d6	5.32	84	53937	4.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	18625	5.51	ug/L	0.00
41) Toluene-d8	7.55	98	48578	4.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	8251	5.01	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	10763	7.67	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	26205	5.09	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	19783	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	20442	5.059 ug/L	98
3) Chloromethane	1.32	50	22306	5.522 ug/L	100
5) Vinyl chloride	1.39	62	23048	5.018 ug/L	97
6) Bromomethane	1.62	94	15056	4.444 ug/L	98
8) Chloroethane	1.69	64	15140	5.354 ug/L	96
9) Trichlorofluoromethane	1.87	101	29316	4.902 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	14286	4.781 ug/L	97
12) 1,1-Dichloroethene	2.27	96	13993	4.834 ug/L	89
13) Acetone	2.32	43	23656	11.530 ug/L	99
14) Carbon disulfide	2.46	76	46201	5.224 ug/L	98
15) Methyl Acetate	2.61	43	17001	5.108 ug/L	94
16) Methylene chloride	2.69	84	16564	5.105 ug/L	95
17) trans-1,2-Dichloroethene	2.96	96	14501	4.918 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	40177	4.641 ug/L	98
19) 1,1-Dichloroethane	3.42	63	29035	5.248 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	15560	4.806 ug/L	98
22) 2-Butanone	4.25	43	22790	9.281 ug/L	78
23) Bromochloromethane	4.53	128	7831	4.543 ug/L	98
25) Chloroform	4.65	83	30516	5.224 ug/L	96
27) 1,2-Dichloroethane	5.39	62	23018	5.054 ug/L	98
29) Cyclohexane	4.97	56	18832	4.271 ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	26052	5.439 ug/L	97
31) Carbon tetrachloride	5.11	117	22344	5.244 ug/L	97
33) Benzene	5.37	78	58083	4.816 ug/L	100
34) Trichloroethene	6.17	95	16531	5.260 ug/L	94
35) Methylcyclohexane	6.40	83	19997	4.170 ug/L	96
37) 1,2-Dichloropropane	6.41	63	16589	5.104 ug/L	# 92
38) Bromodichloromethane	6.74	83	21741	5.099 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	22049	4.568 ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	37405	8.829 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.62	91	58097	4.497	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	20329	4.634	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	16478	5.339	ug/L	97
46) Tetrachloroethene	8.21	164	12106	4.721	ug/L	95
48) 2-Hexanone	8.35	43	27152	7.919	ug/L	93
49) Dibromochloromethane	8.46	129	17312	5.013	ug/L	98
50) 1,2-Dibromoethane	8.57	107	15828	4.739	ug/L #	100
51) Chlorobenzene	9.10	112	42317	4.950	ug/L	97
52) Ethylbenzene	9.23	91	58823	4.211	ug/L	99
53) m,p-Xylene	9.36	106	20690	3.936	ug/L	95
54) o-xylene	9.76	106	20431	3.965	ug/L	98
55) Styrene	9.78	104	33367	3.812	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.44	83	26573	4.879	ug/L	94
59) Bromoform	9.94	173	12583	5.137	ug/L	96
60) 1,2,3-Trichloropropane	10.48	75	21108	5.322	ug/L	98
61) Isopropylbenzene	10.15	105	52314	4.202	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	40034	3.981	ug/L	95
63) 1,2,4-Trimethylbenzene	11.13	105	38137	3.821	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	28793	4.529	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	30841	4.688	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	30505	4.803	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.64	75	5309	4.829	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	20783	4.309	ug/L	98
70) 1,2,4-trichlorobenzene	13.49	180	14059	3.475	ug/L	97
71) Naphthalene	13.73	128	34494	2.929	ug/L	100
72) 1,2,3-Trichlorobenzene	13.98	180	15342	3.632	ug/L	92

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

