

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035299.D
 Acq On : 19 Oct 2019 06:51
 Operator : JC/SP
 Sample : VSTD00534
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 8:36:11 AM

Quant Time: Oct 21 04:57:37 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Oct 21 04:45:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	627883	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	604263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	217690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	26147	4.82	ug/L	0.00
7) Chloroethane-d5	1.94	69	21767	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	53035	5.94	ug/L	0.00
21) 2-Butanone-d5	4.70	46	29523	8.32	ug/L	0.00
24) Chloroform-d	5.11	84	44728	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	27247	4.80	ug/L	0.00
32) Benzene-d6	5.77	84	85730	4.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	26416	4.72	ug/L	0.00
41) Toluene-d8	7.93	98	79084	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	13032	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	19365m	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	37480	4.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	24476	5.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	51691	10.211 ug/L	100
3) Chloromethane	1.54	50	51430	10.058 ug/L	97
5) Vinyl chloride	1.62	62	52723	9.946 ug/L	96
6) Bromomethane	1.88	94	30279	9.796 ug/L	99
8) Chloroethane	1.96	64	33418	10.247 ug/L	95
9) Trichlorofluoromethane	2.16	101	69380	10.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39837	10.009 ug/L	98
12) 1,1-Dichloroethene	2.61	96	37759m	9.928 ug/L	
13) Acetone	2.67	43	69161	21.430 ug/L	98
14) Carbon disulfide	2.83	76	115456	9.918 ug/L	100
15) Methyl Acetate	3.00	43	44201	9.536 ug/L	99
16) Methylene chloride	3.09	84	44254	9.826 ug/L	98
17) trans-1,2-Dichloroethene	3.40	96	40367	9.870 ug/L	94
18) Methyl tert-butyl Ether	3.42	73	125155	9.548 ug/L	99
19) 1,1-Dichloroethane	3.92	63	76910	9.792 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	45166	9.768 ug/L	98
22) 2-Butanone	4.78	43	73328	18.869 ug/L	99
23) Bromochloromethane	5.03	128	22076	9.497 ug/L	98
25) Chloroform	5.14	83	77116	9.600 ug/L	99
27) 1,2-Dichloroethane	5.84	62	63408	10.080 ug/L	98
29) Cyclohexane	5.43	56	66356	9.768 ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	66016	9.947 ug/L	100
31) Carbon tetrachloride	5.57	117	58690	10.097 ug/L	98
33) Benzene	5.82	78	168331	9.749 ug/L	100
34) Trichloroethene	6.58	95	44152	9.984 ug/L	98
35) Methylcyclohexane	6.80	83	64474	9.481 ug/L	96
37) 1,2-Dichloropropane	6.84	63	45373	10.143 ug/L	99
38) Bromodichloromethane	7.15	83	59886	10.094 ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	67954	9.392 ug/L	100
40) 4-Methyl-2-pentanone	7.85	43	119008	18.865 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	181677	9.726	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	60827	9.018	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	43171	9.964	ug/L	98
46) Tetrachloroethene	8.58	164	36034	10.138	ug/L	98
48) 2-Hexanone	8.75	43	94273	18.033	ug/L	98
49) Dibromochloromethane	8.84	129	46104	9.423	ug/L	95
50) 1,2-Dibromoethane	8.96	107	45306	9.425	ug/L	100
51) Chlorobenzene	9.48	112	118016	9.815	ug/L	98
52) Ethylbenzene	9.60	91	197097	9.548	ug/L	99
53) m,p-Xylene	9.73	106	72236	9.532	ug/L	97
54) o-xylene	10.13	106	70872	9.226	ug/L	100
55) Styrene	10.15	104	107566	8.431	ug/L	97
56) Isopropylbenzene	10.51	105	180770	9.178	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	72000	9.477	ug/L	97
59) 1,2,3-Trichloropropane	10.86	75	56062	9.444	ug/L	98
61) Bromoform	10.32	173	34301	11.419	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	69891	10.124	ug/L	98
63) 1,4-Dichlorobenzene	11.87	146	70315	10.384	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	70565	10.239	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	9888	9.046	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	30325	7.762	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	13054	5.256	ug/L	99
69) Naphthalene	14.11	128	36003	5.804	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	13553	5.171	ug/L	96

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

