

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034651.D
 Acq On : 19 Sep 2019 15:59
 Operator : JC/SP
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:18 PM

Quant Time: Sep 19 17:22:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 19 17:16:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	498428	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	463418	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	209644	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50028	20.80	ug/L	0.00
7) Chloroethane-d5	1.67	69	38505	20.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	82622	16.79	ug/L	0.00
21) 2-Butanone-d5	4.16	46	73634	27.16	ug/L	0.02
24) Chloroform-d	4.62	84	66934	12.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	51678	15.51	ug/L	0.00
32) Benzene-d6	5.32	84	142505	13.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	49045	12.93	ug/L	0.00
41) Toluene-d8	7.54	98	131609	13.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	21457	11.86	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	46403	22.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	67218	11.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	40735	10.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	48740	15.872	ug/L 100
3) Chloromethane	1.32	50	58022	18.514	ug/L 100
5) Vinyl chloride	1.40	62	53737	17.465	ug/L 98
6) Bromomethane	1.62	94	27015	16.796	ug/L 87
8) Chloroethane	1.69	64	30235	17.150	ug/L 95
9) Trichlorofluoromethane	1.88	101	68055	15.631	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	31932	12.308	ug/L 97
12) 1,1-Dichloroethene	2.27	96	31064	13.113	ug/L 92
13) Acetone	2.31	43	90576	37.170	ug/L 100
14) Carbon disulfide	2.46	76	104031	17.888	ug/L 99
15) Methyl Acetate	2.60	43	58502	14.669	ug/L 96
16) Methylene chloride	2.69	84	37501	11.978	ug/L 87
17) trans-1,2-Dichloroethene	2.97	96	33578	13.244	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	122561	11.676	ug/L 98
19) 1,1-Dichloroethane	3.42	63	76623	13.424	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	39056	11.895	ug/L 99
22) 2-Butanone	4.24	43	106501m	34.356	ug/L
23) Bromochloromethane	4.53	128	18388	11.862	ug/L 98
25) Chloroform	4.65	83	78125	13.088	ug/L 97
27) 1,2-Dichloroethane	5.39	62	65911	15.594	ug/L 98
29) Cyclohexane	4.97	56	73900	16.358	ug/L 98
30) 1,1,1-Trichloroethane	4.89	97	59613	12.873	ug/L 99
31) Carbon tetrachloride	5.11	117	51952	13.289	ug/L 98
33) Benzene	5.37	78	156899	13.347	ug/L 100
34) Trichloroethene	6.17	95	37380	12.766	ug/L 97
35) Methylcyclohexane	6.39	83	65882	14.841	ug/L 99
37) 1,2-Dichloropropane	6.41	63	46114	12.925	ug/L # 94
38) Bromodichloromethane	6.74	83	56094	12.027	ug/L 94
39) cis-1,3-Dichloropropene	7.25	75	67013	12.502	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	172262	27.757	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	167017	13.177	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	59424	12.090	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	36988	11.360	ug/L	96
46) Tetrachloroethene	8.21	164	28424	14.624	ug/L	92
48) 2-Hexanone	8.34	43	130713	28.035	ug/L	98
49) Dibromochloromethane	8.45	129	39664	10.756	ug/L	98
50) 1,2-Dibromoethane	8.57	107	38588	11.339	ug/L	95
51) Chlorobenzene	9.10	112	99845	12.058	ug/L	97
52) Ethylbenzene	9.23	91	182997	12.479	ug/L	96
53) m,p-Xylene	9.35	106	65288	12.383	ug/L	93
54) o-xylene	9.76	106	65735	12.290	ug/L	100
55) Styrene	9.77	104	106942	11.616	ug/L	98
56) Isopropylbenzene	10.14	105	174523	12.131	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	69873	10.792	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	57050	11.707	ug/L	97
61) Bromoform	9.94	173	27300	10.575	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	69438	11.454	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	69559	11.363	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	71675	11.721	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.64	75	14761	10.655	ug/L	94
67) 1,3,5-Trichlorobenzene	12.87	180	43808	11.087	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	30298	8.976	ug/L	96
69) Naphthalene	13.73	128	93115	7.467	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	33167	9.598	ug/L	95

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

