

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034652.D
 Acq On : 19 Sep 2019 16:23
 Operator : JC/SP
 Sample : VSTD05033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:23 PM

Quant Time: Sep 19 17:16:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 19 17:06:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	468698	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	454582	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	218603	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	232777	102.94	ug/L	0.00
7) Chloroethane-d5	1.67	69	181223	104.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	396872	85.78	ug/L	0.00
21) 2-Butanone-d5	4.15	46	382855	150.15	ug/L	0.00
24) Chloroform-d	4.62	84	355706	69.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	250335	79.92	ug/L	0.00
32) Benzene-d6	5.32	84	696098	69.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	247189	66.43	ug/L	0.00
41) Toluene-d8	7.54	98	670854	69.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	118565	66.80	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	247748	122.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	333777	57.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	224345	57.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	228935	79.280	ug/L	99
3) Chloromethane	1.32	50	269591	91.477	ug/L	99
5) Vinyl chloride	1.40	62	254199	87.857	ug/L	95
6) Bromomethane	1.62	94	137023	90.593	ug/L	100
8) Chloroethane	1.69	64	146965	88.649	ug/L	99
9) Trichlorofluoromethane	1.87	101	314642	76.851	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	152441	62.486	ug/L	97
12) 1,1-Dichloroethene	2.27	96	148906m	66.844	ug/L	
13) Acetone	2.31	43	388361	169.484	ug/L	90
14) Carbon disulfide	2.46	76	500364	91.495	ug/L	99
15) Methyl Acetate	2.60	43	271990	72.523	ug/L #	89
16) Methylene chloride	2.69	84	184282	62.594	ug/L	85
17) trans-1,2-Dichloroethene	2.96	96	159426	66.870	ug/L	77
18) Methyl tert-butyl Ether	2.98	73	598404	60.624	ug/L #	94
19) 1,1-Dichloroethane	3.42	63	367621	68.490	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	186342	60.352	ug/L	83
22) 2-Butanone	4.23	43	482139	165.397	ug/L	92
23) Bromochloromethane	4.52	128	89863	61.647	ug/L #	80
25) Chloroform	4.65	83	352927	62.874	ug/L	95
27) 1,2-Dichloroethane	5.38	62	321281m	80.836	ug/L	
29) Cyclohexane	4.97	56	359608	81.146	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	288285	63.464	ug/L	94
31) Carbon tetrachloride	5.11	117	251630	65.616	ug/L	97
33) Benzene	5.37	78	757835	65.722	ug/L	100
34) Trichloroethene	6.16	95	182686	63.601	ug/L	95
35) Methylcyclohexane	6.39	83	311942	71.635	ug/L	92
37) 1,2-Dichloropropane	6.41	63	226094	64.602	ug/L	98
38) Bromodichloromethane	6.73	83	272740	59.613	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	329663	62.696	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	846796	139.097	ug/L #	90

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42) Toluene	7.61	91	824331	66.303	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	313415	65.004	ug/L	96
45) 1,1,2-Trichloroethane	8.04	97	178211	55.798	ug/L	95
46) Tetrachloroethene	8.21	164	130842	68.624	ug/L	96
48) 2-Hexanone	8.34	43	663930	145.168	ug/L #	89
49) Dibromochloromethane	8.45	129	200942	55.552	ug/L	97
50) 1,2-Dibromoethane	8.56	107	195601	58.594	ug/L	99
51) Chlorobenzene	9.10	112	492263	60.605	ug/L	97
52) Ethylbenzene	9.23	91	910759	63.314	ug/L	98
53) m,p-Xylene	9.35	106	326373	63.108	ug/L	96
54) o-xylene	9.76	106	324242	61.798	ug/L	94
55) Styrene	9.77	104	548803	60.770	ug/L	95
56) Isopropylbenzene	10.14	105	861594	61.054	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	341109	53.707	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	274273	57.374	ug/L	97
61) Bromoform	9.94	173	144931	53.839	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	353252	55.883	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	356251	55.812	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	356560	55.919	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	77283	53.497	ug/L	88
67) 1,3,5-Trichlorobenzene	12.86	180	234542	56.927	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	195865	55.649	ug/L	100
69) Naphthalene	13.72	128	662224	50.926	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	191436	53.129	ug/L	97

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

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