

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100319\
 Data File : VU034912.D
 Acq On : 03 Oct 2019 11:59
 Operator : JC/SP
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 8:52:22 AM

Quant Time: Oct 04 05:26:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 05:07:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	417216	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	403398	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	172748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32808	10.22	ug/L	0.00
7) Chloroethane-d5	1.67	69	25991	9.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	59171	10.36	ug/L	0.00
21) 2-Butanone-d5	4.16	46	45758	21.56	ug/L	0.00
24) Chloroform-d	4.63	84	54505	10.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	36335	10.42	ug/L	0.00
32) Benzene-d6	5.32	84	110974	10.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	36670	11.01	ug/L	0.00
41) Toluene-d8	7.54	98	102720	10.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	14355	8.93	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	31375	20.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	50527	10.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	35502	11.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	36339	8.916	ug/L 98
3) Chloromethane	1.32	50	41678	10.126	ug/L 100
5) Vinyl chloride	1.40	62	38592	8.399	ug/L 98
6) Bromomethane	1.62	94	22238	7.770	ug/L 100
8) Chloroethane	1.69	64	23437	8.535	ug/L 98
9) Trichlorofluoromethane	1.88	101	46848	7.926	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	26933	9.646	ug/L 97
12) 1,1-Dichloroethene	2.27	96	25275	9.239	ug/L 92
13) Acetone	2.31	43	46572	18.324	ug/L 99
14) Carbon disulfide	2.46	76	79482	9.332	ug/L 99
15) Methyl Acetate	2.60	43	35963	10.593	ug/L 98
16) Methylene chloride	2.68	84	32449	10.154	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	27377	9.489	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	92725	10.261	ug/L 100
19) 1,1-Dichloroethane	3.42	63	56883	10.165	ug/L 99
20) cis-1,2-Dichloroethene	4.21	96	30976	9.523	ug/L 93
22) 2-Butanone	4.24	43	49805	17.473	ug/L 99
23) Bromochloromethane	4.53	128	15450	9.307	ug/L 93
25) Chloroform	4.65	83	56935	9.627	ug/L 99
27) 1,2-Dichloroethane	5.38	62	44389	9.654	ug/L 99
29) Cyclohexane	4.97	56	49962	10.925	ug/L 99
30) 1,1,1-Trichloroethane	4.89	97	46015	9.664	ug/L 99
31) Carbon tetrachloride	5.11	117	38817	9.346	ug/L 98
33) Benzene	5.37	78	121569	10.084	ug/L 100
34) Trichloroethene	6.17	95	30637	9.770	ug/L 96
35) Methylcyclohexane	6.39	83	48081	9.964	ug/L 97
37) 1,2-Dichloropropane	6.41	63	34093	10.397	ug/L 99
38) Bromodichloromethane	6.74	83	41047	9.854	ug/L 97
39) cis-1,3-Dichloropropene	7.25	75	48405	9.556	ug/L 98
40) 4-Methyl-2-pentanone	7.44	43	101152	22.283	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	130402	10.085	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	41649	9.250	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	30584	9.998	ug/L	97
46) Tetrachloroethene	8.21	164	23852	9.825	ug/L	96
48) 2-Hexanone	8.35	43	72869	19.801	ug/L	99
49) Dibromochloromethane	8.45	129	30825	9.065	ug/L	98
50) 1,2-Dibromoethane	8.57	107	30610	9.193	ug/L	95
51) Chlorobenzene	9.10	112	83539	9.945	ug/L	98
52) Ethylbenzene	9.23	91	141842	10.216	ug/L	100
53) m,p-Xylene	9.35	106	51676	9.868	ug/L	94
54) o-xylene	9.76	106	50648	9.754	ug/L	97
55) Styrene	9.77	104	81302	9.270	ug/L	98
56) Isopropylbenzene	10.14	105	133139	9.934	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	53785	9.959	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	43488	10.212	ug/L	99
61) Bromoform	9.94	173	21493	9.978	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	56002	10.318	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	57839	10.295	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	58181	10.503	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	8860	8.417	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	34623	8.937	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	22550m	6.814	ug/L	
69) Naphthalene	13.73	128	60798m	5.817	ug/L	
70) 1,2,3-Trichlorobenzene	13.97	180	25479m	7.113	ug/L	

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

