

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037611.D
 Acq On : 09 Apr 2020 11:19
 Operator : JC/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

Quant Time: Apr 09 11:42:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 10:58:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	589181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	581238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	296426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1001850	209.37	ug/L	0.00
7) Chloroethane-d5	1.91	69	797671	207.48	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1614068	200.67	ug/L	0.00
21) 2-Butanone-d5	4.67	46	1597646	444.23	ug/L	0.00
24) Chloroform-d	5.10	84	1520493	188.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	997557	186.37	ug/L	0.00
32) Benzene-d6	5.76	84	3217056	191.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	1071833	189.07	ug/L	0.00
41) Toluene-d8	7.92	98	2993316	190.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	577962	187.77	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	1252602	417.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	1577170	194.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	1151583	190.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	900099	236.310	ug/L	100
3) Chloromethane	1.53	50	1091698	270.199	ug/L	99
5) Vinyl chloride	1.62	62	1119804	279.108	ug/L	99
6) Bromomethane	1.85	94	610410	308.483	ug/L	100
8) Chloroethane	1.94	64	655007	276.812	ug/L	99
9) Trichlorofluoromethane	2.15	101	1192944	209.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	711508	219.149	ug/L	100
12) 1,1-Dichloroethene	2.60	96	736732	233.761	ug/L	99
13) Acetone	2.66	43	932506	448.564	ug/L	100
14) Carbon disulfide	2.82	76	2517239	276.505	ug/L	99
15) Methyl Acetate	2.98	43	1136260	241.201	ug/L	100
16) Methylene chloride	3.07	84	851918	222.850	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	787325	231.994	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	2757548	231.799	ug/L	100
19) 1,1-Dichloroethane	3.91	63	1564342	235.269	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	875607	224.046	ug/L	98
22) 2-Butanone	4.75	43	1665072	490.723	ug/L	100
23) Bromochloromethane	5.02	128	428250	228.301	ug/L	99
25) Chloroform	5.13	83	1449028	209.018	ug/L	99
27) 1,2-Dichloroethane	5.83	62	1203703	224.979	ug/L	100
29) Cyclohexane	5.42	56	1508237	247.601	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	1270777	206.254	ug/L	99
31) Carbon tetrachloride	5.56	117	1035467	204.197	ug/L	99
33) Benzene	5.81	78	3397632	223.094	ug/L	100
34) Trichloroethene	6.57	95	836621	210.087	ug/L	99
35) Methylcyclohexane	6.79	83	1460982	237.445	ug/L	99
37) 1,2-Dichloropropane	6.82	63	934881	215.445	ug/L	100
38) Bromodichloromethane	7.13	83	1161757	205.848	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	1567889	231.335	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	3360986	477.311	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	3627672	220.115	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	1511403	226.447	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	835304	210.838	ug/L	99
46) Tetrachloroethene	8.57	164	627308	234.610	ug/L	97
48) 2-Hexanone	8.71	43	2638407	481.821	ug/L	99
49) Dibromochloromethane	8.83	129	915078	207.081	ug/L	98
50) 1,2-Dibromoethane	8.95	107	910551	208.981	ug/L	98
51) Chlorobenzene	9.47	112	2310611	226.035	ug/L	100
52) Ethylbenzene	9.59	91	4136249	221.929	ug/L	100
53) m,p-Xylene	9.71	106	1579753	227.239	ug/L	100
54) o-xylene	10.12	106	1565751	233.678	ug/L	99
55) Styrene	10.13	104	2772855	233.714	ug/L	99
56) Isopropylbenzene	10.50	105	4080186	224.593	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	1547403	216.657	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	1297461	232.588	ug/L	100
61) Bromoform	10.31	173	746771	220.375	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	1848648	215.985	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	1858379	215.125	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1810558	213.638	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	417118	205.190	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	1373237	231.148	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	1317695	232.662	ug/L	100
69) Naphthalene	14.11	128	4667890	194.543	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1293926	226.153	ug/L	99

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

