

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037820.D
 Acq On : 21 Apr 2020 12:39
 Operator : JC/MD
 Sample : VSTD01033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Quant Time: Apr 21 13:34:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 13:31:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	502479	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	483262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	41962	9.55	ug/L	0.00
7) Chloroethane-d5	1.93	69	35196	9.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	71544	9.99	ug/L	0.00
21) 2-Butanone-d5	4.67	46	70194	19.72	ug/L	0.00
24) Chloroform-d	5.10	84	68531	10.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	47335	10.56	ug/L	0.00
32) Benzene-d6	5.76	84	143719	10.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	47584	10.05	ug/L	0.00
41) Toluene-d8	7.92	98	127858	9.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	23763	9.29	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	49118	18.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	62757	9.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	49205	9.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	41700	10.594 ug/L	98
3) Chloromethane	1.54	50	41739	9.067 ug/L	99
5) Vinyl chloride	1.62	62	48864	10.143 ug/L	99
6) Bromomethane	1.87	94	17464	6.888 ug/L	92
8) Chloroethane	1.95	64	28805	10.072 ug/L	96
9) Trichlorofluoromethane	2.16	101	54927	10.558 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	31230	9.860 ug/L	99
12) 1,1-Dichloroethene	2.61	96	30863	9.608 ug/L	90
13) Acetone	2.66	43	47777	22.730 ug/L	100
14) Carbon disulfide	2.82	76	105030	9.545 ug/L	100
15) Methyl Acetate	2.98	43	51333	10.270 ug/L	99
16) Methylene chloride	3.08	84	38779	10.567 ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	33571	9.742 ug/L	98
18) Methyl tert-butyl Ether	3.40	73	122893	10.331 ug/L	99
19) 1,1-Dichloroethane	3.91	63	72205	10.688 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	38639	10.198 ug/L	93
22) 2-Butanone	4.75	43	74112	20.145 ug/L	99
23) Bromochloromethane	5.02	128	18353	9.939 ug/L	90
25) Chloroform	5.13	83	67554	10.627 ug/L	98
27) 1,2-Dichloroethane	5.83	62	58696	11.164 ug/L	99
29) Cyclohexane	5.42	56	69344	10.435 ug/L	# 93
30) 1,1,1-Trichloroethane	5.35	97	55726	10.173 ug/L	97
31) Carbon tetrachloride	5.56	117	44652	10.042 ug/L	98
33) Benzene	5.81	78	152447	10.366 ug/L	100
34) Trichloroethene	6.57	95	38094	10.522 ug/L	98
35) Methylcyclohexane	6.79	83	65099	10.134 ug/L	100
37) 1,2-Dichloropropane	6.82	63	43205	10.692 ug/L	99
38) Bromodichloromethane	7.13	83	50162	10.084 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	66018	9.981 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	143903	20.051 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	160690	10.286	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	63361	9.883	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	36445	10.108	ug/L	97
46) Tetrachloroethene	8.57	164	26899	9.986	ug/L	99
48) 2-Hexanone	8.71	43	114798	20.257	ug/L	99
49) Dibromochloromethane	8.83	129	37724	9.757	ug/L	98
50) 1,2-Dibromoethane	8.94	107	39809	10.204	ug/L #	97
51) Chlorobenzene	9.47	112	99822	10.231	ug/L	99
52) Ethylbenzene	9.59	91	177022	10.106	ug/L	97
53) m,p-Xylene	9.71	106	68301	10.270	ug/L	93
54) o-xylene	10.12	106	64651	9.801	ug/L	99
55) Styrene	10.13	104	112285	9.818	ug/L	99
56) Isopropylbenzene	10.50	105	170158	9.907	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	63565	9.873	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	55730	10.152	ug/L	99
61) Bromoform	10.31	173	27242	8.900	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	78973	10.158	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	78348	10.044	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	77360	10.097	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	16293	9.180	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	55639	9.788	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	52263	9.532	ug/L	99
69) Naphthalene	14.11	128	186219	9.205	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	52153	9.547	ug/L	99

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

