

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060920\
 Data File : VU038672.D
 Acq On : 08 Jun 2020 16:16
 Operator : SY/MD
 Sample : VSTD01031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Quant Time: Jun 08 16:59:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 08 16:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	561139	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	549067	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	273658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32048	9.10	ug/L	0.00
7) Chloroethane-d5	1.93	69	26180	9.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	70816	9.84	ug/L	0.00
21) 2-Butanone-d5	4.67	46	62043	18.54	ug/L	0.00
24) Chloroform-d	5.10	84	70075	10.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	46565	9.82	ug/L	0.00
32) Benzene-d6	5.76	84	137025	9.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	42529	9.62	ug/L	0.00
41) Toluene-d8	7.92	98	122343	9.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	19761	8.98	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	41536	17.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	61222	9.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	48262	9.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	47243	11.185	ug/L 100
3) Chloromethane	1.53	50	45010	11.562	ug/L 100
5) Vinyl chloride	1.62	62	47482	11.041	ug/L 95
6) Bromomethane	1.87	94	25345	14.406	ug/L 99
8) Chloroethane	1.95	64	29238	11.127	ug/L 99
9) Trichlorofluoromethane	2.16	101	67311	11.679	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39005	11.319	ug/L 97
12) 1,1-Dichloroethene	2.61	96	37157	10.922	ug/L 97
13) Acetone	2.66	43	52960	19.044	ug/L 100
14) Carbon disulfide	2.82	76	120697	10.878	ug/L 98
15) Methyl Acetate	2.98	43	54494	10.932	ug/L 99
16) Methylene chloride	3.08	84	46279	11.838	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	41566	11.374	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	129252	11.030	ug/L 100
19) 1,1-Dichloroethane	3.91	63	79486	11.485	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	44975	11.234	ug/L 99
22) 2-Butanone	4.75	43	77816	19.958	ug/L 99
23) Bromochloromethane	5.01	128	22550	11.378	ug/L 95
25) Chloroform	5.12	83	78053	10.967	ug/L 95
27) 1,2-Dichloroethane	5.83	62	65006	11.281	ug/L 99
29) Cyclohexane	5.42	56	64332	10.219	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	66304	11.105	ug/L 98
31) Carbon tetrachloride	5.56	117	55514	11.156	ug/L 99
33) Benzene	5.81	78	172637	11.195	ug/L 100
34) Trichloroethene	6.57	95	43438	11.009	ug/L 97
35) Methylcyclohexane	6.79	83	62355	10.066	ug/L 98
37) 1,2-Dichloropropane	6.82	63	45837	11.461	ug/L 100
38) Bromodichloromethane	7.13	83	54869	10.706	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	65107	10.230	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	135047	21.232	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	176514	10.903	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	60896	10.222	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	43397	11.434	ug/L	99
46) Tetrachloroethene	8.57	164	31184	10.811	ug/L	97
48) 2-Hexanone	8.71	43	113616	21.157	ug/L	98
49) Dibromochloromethane	8.83	129	43403	11.295	ug/L	97
50) 1,2-Dibromoethane	8.94	107	45281	11.100	ug/L	99
51) Chlorobenzene	9.47	112	114659	11.020	ug/L	100
52) Ethylbenzene	9.59	91	190136	10.481	ug/L	99
53) m,p-Xylene	9.71	106	72371	10.432	ug/L	98
54) o-xylene	10.11	106	70987	10.525	ug/L	99
55) Styrene	10.13	104	119162	10.280	ug/L	100
56) Isopropylbenzene	10.50	105	184955	10.494	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	71536	11.014	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	61523	11.001	ug/L	99
61) Bromoform	10.31	173	30780	11.196	ug/L	95
62) 1,3-Dichlorobenzene	11.76	146	89696	11.212	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	90875	11.175	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	88041	11.098	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17397	10.712	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	61948	10.880	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	56690	10.381	ug/L	99
69) Naphthalene	14.11	128	188976	9.665	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	56805	10.413	ug/L	98

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

