

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039633.D
 Acq On : 23 Jul 2020 11:56
 Operator : SY/MD
 Sample : VSTD05032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Jul 23 12:37:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	209315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	208660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	107804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63307	53.25	ug/L	0.00
7) Chloroethane-d5	1.92	69	75930	74.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	131949	51.35	ug/L	0.00
21) 2-Butanone-d5	4.65	46	146122	121.26	ug/L	0.00
24) Chloroform-d	5.09	84	144015	55.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	101876	57.98	ug/L	0.00
32) Benzene-d6	5.75	84	272392	53.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	88936	55.82	ug/L	0.00
41) Toluene-d8	7.91	98	258107	55.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	45162	56.31	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	102896	119.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	141701	58.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	109044	56.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68714	42.875	ug/L 100
3) Chloromethane	1.53	50	69590	44.429	ug/L 100
5) Vinyl chloride	1.61	62	73329	44.691	ug/L 100
6) Bromomethane	1.87	94	55317	60.146	ug/L 100
8) Chloroethane	1.94	64	67576	64.371	ug/L 100
9) Trichlorofluoromethane	2.15	101	133220	55.954	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	60481	45.838	ug/L 100
12) 1,1-Dichloroethene	2.59	96	56455	43.957	ug/L 100
13) Acetone	2.66	43	96519	103.015	ug/L 100
14) Carbon disulfide	2.81	76	181203	43.541	ug/L 100
15) Methyl Acetate	2.97	43	90208	47.472	ug/L 100
16) Methylene chloride	3.06	84	66859	43.656	ug/L 100
17) trans-1,2-Dichloroethene	3.37	96	64441	45.294	ug/L 100
18) Methyl tert-butyl Ether	3.38	73	217696	47.238	ug/L 100
19) 1,1-Dichloroethane	3.89	63	129552	47.568	ug/L 100
20) cis-1,2-Dichloroethene	4.69	96	75565	47.658	ug/L 100
22) 2-Butanone	4.73	43	150351	105.188	ug/L 100
23) Bromochloromethane	5.00	128	37752	47.890	ug/L 100
25) Chloroform	5.11	83	142631	51.366	ug/L 100
27) 1,2-Dichloroethane	5.81	62	115688	50.699	ug/L 100
29) Cyclohexane	5.41	56	114924	48.669	ug/L 100
30) 1,1,1-Trichloroethane	5.34	97	125787	51.035	ug/L 100
31) Carbon tetrachloride	5.55	117	106770	51.945	ug/L 100
33) Benzene	5.79	78	289815	47.441	ug/L 100
34) Trichloroethene	6.56	95	77695	49.431	ug/L 100
35) Methylcyclohexane	6.78	83	118543	50.007	ug/L 100
37) 1,2-Dichloropropane	6.81	63	76786	48.011	ug/L 100
38) Bromodichloromethane	7.12	83	104451	50.460	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	119953	48.673	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	275320	106.936	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	319394	49.534	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	118502	49.914	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	74242	48.267	ug/L	100
46) Tetrachloroethene	8.56	164	55688	49.238	ug/L	100
48) 2-Hexanone	8.69	43	227485	106.795	ug/L	100
49) Dibromochloromethane	8.82	129	84106	52.220	ug/L	100
50) 1,2-Dibromoethane	8.93	107	82846	49.706	ug/L	100
51) Chlorobenzene	9.45	112	199048	48.202	ug/L	100
52) Ethylbenzene	9.57	91	356837	50.114	ug/L	100
53) m,p-Xylene	9.70	106	133346	49.048	ug/L	100
54) o-xylene	10.10	106	130695	49.424	ug/L	100
55) Styrene	10.11	104	229295	50.048	ug/L	100
56) Isopropylbenzene	10.48	105	351007	50.592	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	132177	49.669	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	110885	49.106	ug/L	100
61) Bromoform	10.29	173	64055	53.195	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	162769	48.998	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	163213	48.637	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	165761	49.934	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	36196	52.107	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	118880	49.667	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	106964	47.845	ug/L	100
69) Naphthalene	14.08	128	339682	44.378	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	105145	47.389	ug/L	100

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

