

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037185.D
 Acq On : 12 Mar 2020 13:02
 Operator : JC/MD
 Sample : VSTD01034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Quant Time: Mar 13 06:55:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 06:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	428877	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	412741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	199768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31368	9.45	ug/L	0.00
7) Chloroethane-d5	1.93	69	25069	9.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	58974	9.68	ug/L	0.00
21) 2-Butanone-d5	4.67	46	51324	19.54	ug/L	0.00
24) Chloroform-d	5.11	84	59469	9.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	45138	9.66	ug/L	0.00
32) Benzene-d6	5.76	84	110578	9.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	35944	9.66	ug/L	0.00
41) Toluene-d8	7.92	98	103473	9.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	18223	9.00	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	35976	18.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	56569	9.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	39361	9.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	46157	10.531	ug/L 97
3) Chloromethane	1.54	50	38258	10.673	ug/L 99
5) Vinyl chloride	1.62	62	41391	10.537	ug/L 96
6) Bromomethane	1.87	94	13190	8.748	ug/L 96
8) Chloroethane	1.95	64	23918	10.393	ug/L 97
9) Trichlorofluoromethane	2.16	101	63994	10.670	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	29559	10.553	ug/L 97
12) 1,1-Dichloroethene	2.61	96	26289	10.387	ug/L 91
13) Acetone	2.66	43	52892	21.223	ug/L 100
14) Carbon disulfide	2.82	76	74858	10.432	ug/L 97
15) Methyl Acetate	2.98	43	42513	10.846	ug/L 96
16) Methylene chloride	3.08	84	33797	10.698	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	26923	10.153	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	105222	10.275	ug/L 100
19) 1,1-Dichloroethane	3.91	63	62723	10.571	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	33712	10.510	ug/L 100
22) 2-Butanone	4.75	43	66681	21.154	ug/L 99
23) Bromochloromethane	5.02	128	17530	10.838	ug/L 97
25) Chloroform	5.13	83	68586	10.689	ug/L 96
27) 1,2-Dichloroethane	5.83	62	61669	10.787	ug/L 98
29) Cyclohexane	5.42	56	49772	10.200	ug/L 98
30) 1,1,1-Trichloroethane	5.36	97	58273	10.637	ug/L 98
31) Carbon tetrachloride	5.56	117	51455	10.630	ug/L 99
33) Benzene	5.81	78	129799	10.669	ug/L 100
34) Trichloroethene	6.57	95	32914	10.412	ug/L 98
35) Methylcyclohexane	6.79	83	49055	10.249	ug/L 99
37) 1,2-Dichloropropane	6.82	63	37303	10.787	ug/L 99
38) Bromodichloromethane	7.14	83	52041	10.764	ug/L 97
39) cis-1,3-Dichloropropene	7.64	75	55575	10.365	ug/L 95
40) 4-Methyl-2-pentanone	7.82	43	119784	21.278	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	137862	10.377	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	50267	9.929	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	33667	10.692	ug/L	98
46) Tetrachloroethene	8.57	164	24746	10.536	ug/L	98
48) 2-Hexanone	8.71	43	88561	19.963	ug/L	98
49) Dibromochloromethane	8.83	129	38718	10.452	ug/L	98
50) 1,2-Dibromoethane	8.95	107	36025	10.602	ug/L	97
51) Chlorobenzene	9.47	112	87937	10.525	ug/L	96
52) Ethylbenzene	9.59	91	159199	10.349	ug/L	100
53) m,p-Xylene	9.71	106	56749	10.430	ug/L	92
54) o-xylene	10.12	106	55514	10.327	ug/L	97
55) Styrene	10.13	104	89152	9.780	ug/L	99
56) Isopropylbenzene	10.50	105	153615	10.281	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	63007	10.963	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	52278	10.875	ug/L	99
61) Bromoform	10.31	173	29677	10.636	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	67586	10.674	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	68077	10.638	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	70343	10.877	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	15188	10.652	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	48497	10.510	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	32884	9.126	ug/L	95
69) Naphthalene	14.12	128	46578	8.524	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	36763	9.722	ug/L	98

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

