

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037184.D
 Acq On : 12 Mar 2020 12:40
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Quant Time: Mar 13 06:55:09 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	455138	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	441477	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	200616	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	16986	4.82	ug/L	0.00
7) Chloroethane-d5	1.93	69	14025	4.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	31495	4.87	ug/L	0.00
21) 2-Butanone-d5	4.67	46	23243	8.34	ug/L	0.00
24) Chloroform-d	5.11	84	32345	4.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23838	4.81	ug/L	0.00
32) Benzene-d6	5.76	84	60184	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	19720	4.96	ug/L	0.00
41) Toluene-d8	7.92	98	54570	4.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	10007	4.62	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	16190	7.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	29199	4.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	21890	5.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	23320	5.014 ug/L	97
3) Chloromethane	1.54	50	18840	4.953 ug/L	96
5) Vinyl chloride	1.62	62	19877	4.768 ug/L	92
6) Bromomethane	1.87	94	6218	3.886 ug/L	95
8) Chloroethane	1.95	64	12761	5.225 ug/L	92
9) Trichlorofluoromethane	2.16	101	31437	4.939 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	14467	4.867 ug/L	90
12) 1,1-Dichloroethene	2.61	96	13435	5.002 ug/L	82
13) Acetone	2.65	43	25184	9.522 ug/L	95
14) Carbon disulfide	2.82	76	38707	5.083 ug/L	98
15) Methyl Acetate	2.98	43	18732	4.503 ug/L	99
16) Methylene chloride	3.08	84	17461	5.208 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	13783	4.898 ug/L	95
18) Methyl tert-butyl Ether	3.40	73	50492	4.646 ug/L	97
19) 1,1-Dichloroethane	3.91	63	30537	4.849 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	16429	4.827 ug/L	98
22) 2-Butanone	4.75	43	28175	8.423 ug/L	98
23) Bromochloromethane	5.02	128	8428	4.910 ug/L	92
25) Chloroform	5.13	83	34852	5.118 ug/L	93
27) 1,2-Dichloroethane	5.83	62	29476	4.858 ug/L	# 92
29) Cyclohexane	5.43	56	24672	4.727 ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	29012	4.951 ug/L	99
31) Carbon tetrachloride	5.56	117	24921	4.813 ug/L	98
33) Benzene	5.81	78	63303	4.865 ug/L	100
34) Trichloroethene	6.57	95	16942	5.010 ug/L	97
35) Methylcyclohexane	6.79	83	23825	4.654 ug/L	99
37) 1,2-Dichloropropane	6.82	63	18625	5.035 ug/L	100
38) Bromodichloromethane	7.14	83	25411	4.914 ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	25554	4.456 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	50606	8.405 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.00	91	68298	4.806	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	24274	4.483	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	16804	4.989	ug/L	94
46) Tetrachloroethene	8.58	164	12063	4.802	ug/L	96
48) 2-Hexanone	8.71	43	37562	7.916	ug/L #	96
49) Dibromochloromethane	8.83	129	18139	4.578	ug/L	100
50) 1,2-Dibromoethane	8.95	107	16940	4.661	ug/L #	96
51) Chlorobenzene	9.47	112	43260	4.841	ug/L	96
52) Ethylbenzene	9.59	91	75648	4.598	ug/L	99
53) m,p-Xylene	9.72	106	25527	4.386	ug/L	93
54) o-xylene	10.12	106	25499	4.435	ug/L	97
55) Styrene	10.13	104	42492	4.358	ug/L	95
56) Isopropylbenzene	10.50	105	70483	4.410	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	27407	4.458	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	22928	4.459	ug/L	98
61) Bromoform	10.31	173	13703	4.890	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	30536	4.802	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	31503	4.902	ug/L	94
65) 1,2-Dichlorobenzene	12.23	146	32300	4.973	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	6456	4.509	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	21293	4.595	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	13962	3.858	ug/L	94
69) Naphthalene	14.12	128	16865	3.073	ug/L #	91
70) 1,2,3-Trichlorobenzene	14.37	180	15332	4.038	ug/L	97

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

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