

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037363.D
 Acq On : 21 Mar 2020 18:58
 Operator : JC/MD
 Sample : VSTD10031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10031

Quant Time: Mar 23 04:03:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:00:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	288325	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288376	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	151128	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	279433	120.84	ug/L	0.00
7) Chloroethane-d5	1.92	69	220820	119.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	444601	107.65	ug/L	0.00
21) 2-Butanone-d5	4.66	46	397510	224.64	ug/L	0.00
24) Chloroform-d	5.10	84	477562	111.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	329278	105.60	ug/L	0.00
32) Benzene-d6	5.76	84	860923	107.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	272650	104.95	ug/L	0.00
41) Toluene-d8	7.92	98	840350	109.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	157197	110.17	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	319172	234.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	433860	107.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	337380	107.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	308075	102.988	ug/L	98
3) Chloromethane	1.54	50	291909	116.039	ug/L	100
5) Vinyl chloride	1.62	62	281543	105.435	ug/L	99
6) Bromomethane	1.86	94	138354	129.708	ug/L	98
8) Chloroethane	1.94	64	155126	100.202	ug/L	99
9) Trichlorofluoromethane	2.15	101	394964	97.926	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	183265	97.804	ug/L	99
12) 1,1-Dichloroethene	2.60	96	176022	102.632	ug/L	93
13) Acetone	2.65	43	230030	145.826	ug/L	98
14) Carbon disulfide	2.82	76	575187	114.869	ug/L	100
15) Methyl Acetate	2.98	43	249390	96.006	ug/L	100
16) Methylene chloride	3.08	84	208424	98.677	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	187949	104.829	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	677117	99.665	ug/L	99
19) 1,1-Dichloroethane	3.91	63	372063	94.885	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	213993	99.965	ug/L	96
22) 2-Butanone	4.74	43	371510	181.306	ug/L	99
23) Bromochloromethane	5.02	128	114665	104.299	ug/L	96
25) Chloroform	5.13	83	404619	94.941	ug/L	100
27) 1,2-Dichloroethane	5.83	62	355560	94.689	ug/L	98
29) Cyclohexane	5.42	56	317810	94.179	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	372686	97.510	ug/L	99
31) Carbon tetrachloride	5.56	117	329264	97.641	ug/L	99
33) Benzene	5.81	78	822642	97.595	ug/L	100
34) Trichloroethene	6.57	95	212706	96.419	ug/L	99
35) Methylcyclohexane	6.79	83	328766	98.534	ug/L	99
37) 1,2-Dichloropropane	6.82	63	222670	93.654	ug/L	99
38) Bromodichloromethane	7.13	83	311544	93.584	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	368373	100.209	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	739200	191.793	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	910427	98.543	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	378919	106.981	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	217667	99.384	ug/L	97
46) Tetrachloroethene	8.57	164	170025	102.649	ug/L	98
48) 2-Hexanone	8.71	43	606476	200.267	ug/L	96
49) Dibromochloromethane	8.83	129	262586	101.647	ug/L	100
50) 1,2-Dibromoethane	8.95	107	242851	102.434	ug/L	99
51) Chlorobenzene	9.47	112	574335	98.574	ug/L	99
52) Ethylbenzene	9.59	91	1031343	97.154	ug/L	99
53) m,p-Xylene	9.71	106	378020	100.177	ug/L	99
54) o-xylene	10.12	106	378714	101.334	ug/L	99
55) Styrene	10.13	104	658607	103.901	ug/L	96
56) Isopropylbenzene	10.50	105	1024056	98.973	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	389034	97.909	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	322801	97.621	ug/L	99
61) Bromoform	10.31	173	217259	103.385	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	470571	98.949	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	468024	97.811	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	469739	96.804	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	109705	103.194	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	338232	98.492	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	288216	107.896	ug/L	100
69) Naphthalene	14.11	128	909494	191.833	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	293924	104.263	ug/L	100

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

