

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030320\
 Data File : VU037031.D
 Acq On : 03 Mar 2020 18:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Mar 04 06:56:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	276492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	264174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117723	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104517	45.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.02%
7) Chloroethane-d5	1.93	69	96557	50.26	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.52%
11) 1,1-Dichloroethene-d2	2.59	63	178449	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
21) 2-Butanone-d5	4.67	46	151524	97.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.29%
24) Chloroform-d	5.11	84	176858	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	5.74	65	117129	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
32) Benzene-d6	5.76	84	372677	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.72	67	120334	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.93	98	340943	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	8.20	79	51542	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.66	63	109463	90.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	168672	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	108662	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	111577	47.576	ug/L	99
3) Chloromethane	1.54	50	128640	47.678	ug/L	99
5) Vinyl chloride	1.62	62	135821	48.803	ug/L	100
6) Bromomethane	1.87	94	74963	52.499	ug/L	98
8) Chloroethane	1.95	64	84484	50.642	ug/L	99
9) Trichlorofluoromethane	2.16	101	149610	50.687	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	89636	50.766	ug/L	100
12) 1,1-Dichloroethene	2.60	96	85948	48.127	ug/L	90
13) Acetone	2.66	43	113507	70.852	ug/L	99
14) Carbon disulfide	2.82	76	245143	43.385	ug/L	100
15) Methyl Acetate	2.98	43	122682	50.241	ug/L	98
16) Methylene chloride	3.08	84	109916	50.461	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	91319	47.600	ug/L	98
18) Methyl tert-butyl Ether	3.40	73	306716	49.184	ug/L	99
19) 1,1-Dichloroethane	3.91	63	187614	50.329	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	105187	49.035	ug/L	99
22) 2-Butanone	4.75	43	175432	90.810	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49744	51.205	ug/L	97
25) Chloroform	5.13	83	184401	51.268	ug/L	99
27) 1,2-Dichloroethane	5.83	62	151171	51.625	ug/L	99
29) Cyclohexane	5.43	56	161288	46.008	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	143259	50.579	ug/L	98
31) Carbon tetrachloride	5.56	117	113744	51.236	ug/L	99
33) Benzene	5.81	78	419838	50.306	ug/L	100
34) Trichloroethene	6.57	95	102892	50.161	ug/L	98
35) Methylcyclohexane	6.79	83	164879	46.361	ug/L	100
37) 1,2-Dichloropropane	6.82	63	115222	51.276	ug/L	99
38) Bromodichloromethane	7.14	83	134944	50.875	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	169447	48.952	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	337049	101.792	ug/L	99
42) Toluene	8.00	91	445297	50.082	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	147531	49.132	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	102377	51.233	ug/L	99
46) Tetrachloroethene	8.57	164	66710	49.368	ug/L	98
48) 2-Hexanone	8.71	43	262920	99.505	ug/L	99
49) Dibromochloromethane	8.84	129	96192	50.716	ug/L	99
50) 1,2-Dibromoethane	8.95	107	105139	50.315	ug/L	100
51) Chlorobenzene	9.47	112	261201	49.580	ug/L	99
52) Ethylbenzene	9.59	91	473197	49.093	ug/L	99
53) m,p-Xylene	9.71	106	174349	49.312	ug/L	99
54) o-xylene	10.12	106	173084	49.083	ug/L	96
55) Styrene	10.13	104	288930	50.122	ug/L	99
56) Isopropylbenzene	10.50	105	447480	49.406	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	182637	51.124	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	149066	51.567	ug/L	100
61) Bromoform	10.31	173	66187	49.729	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	184250	48.247	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	183439	48.618	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	191060	50.107	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	38232	50.540	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	120659	49.777	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	91110	50.167	ug/L	99
69) Naphthalene	14.12	128	139822	43.614	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	93198	51.353	ug/L	98

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

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