

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021120\
 Data File : VU036720.D
 Acq On : 11 Feb 2020 12:38
 Operator : JC/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Feb 12 02:35:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 02:32:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258129	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	243071	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	100109	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60577	35.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.38%
7) Chloroethane-d5	1.93	69	62576	39.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.59	63	93446	28.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.50%#
21) 2-Butanone-d5	4.68	46	137964	93.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.94%
24) Chloroform-d	5.11	84	131388	42.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.34%
26) 1,2-Dichloroethane-d4	5.75	65	96182	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
32) Benzene-d6	5.77	84	281932	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.24%
36) 1,2-Dichloropropane-d6	6.73	67	96545	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.02%
41) Toluene-d8	7.93	98	254452	43.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.96%
43) trans-1,3-Dichloropropene-	8.21	79	43596	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.84%
47) 2-Hexanone-d5	8.67	63	114245	94.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.36%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	146789	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
66) 1,2-Dichlorobenzene-d4	12.21	152	86558	47.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4046	2.269 ug/L	97
3) Chloromethane	1.54	50	5252	2.485 ug/L	96
5) Vinyl chloride	1.62	62	5744	2.524 ug/L #	51
6) Bromomethane	1.87	94	3442	2.412 ug/L	92
8) Chloroethane	1.95	64	4109	2.845 ug/L	88
9) Trichlorofluoromethane	2.16	101	6453	2.386 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4522	2.792 ug/L	89
12) 1,1-Dichloroethene	2.61	96	4437	2.814 ug/L #	1
13) Acetone	2.66	43	9957	6.382 ug/L	98
14) Carbon disulfide	2.82	76	10810	2.294 ug/L	99
15) Methyl Acetate	2.99	43	5441	2.412 ug/L	93
16) Methylene chloride	3.08	84	5341	2.744 ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	3741	2.230 ug/L	93
18) Methyl tert-butyl Ether	3.41	73	13967	2.399 ug/L #	74
19) 1,1-Dichloroethane	3.92	63	8335	2.493 ug/L #	90
20) cis-1,2-Dichloroethene	4.71	96	4571	2.391 ug/L	99
22) 2-Butanone	4.76	43	10043	5.424 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	2105	2.350	ug/L	87
25) Chloroform	5.14	83	14208	4.370	ug/L	96
27) 1,2-Dichloroethane	5.84	62	6868	2.512	ug/L	99
29) Cyclohexane	5.43	56	7079	2.267	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	6057	2.346	ug/L	99
31) Carbon tetrachloride	5.57	117	4959	2.372	ug/L	97
33) Benzene	5.82	78	17913	2.436	ug/L	100
34) Trichloroethene	6.58	95	4299	2.365	ug/L	95
35) Methylcyclohexane	6.80	83	7169	2.239	ug/L	98
37) 1,2-Dichloropropane	6.83	63	4866	2.454	ug/L #	88
38) Bromodichloromethane	7.14	83	5805	2.410	ug/L	94
39) cis-1,3-Dichloropropene	7.65	75	7231	2.283	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	14224	4.541	ug/L	97
42) Toluene	8.00	91	19896	2.504	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	6121	2.212	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	4148	2.293	ug/L	94
46) Tetrachloroethene	8.58	164	3268	2.562	ug/L	97
48) 2-Hexanone	8.72	43	13308	5.208	ug/L	98
49) Dibromochloromethane	8.84	129	3987	2.254	ug/L	95
50) 1,2-Dibromoethane	8.95	107	4350	2.289	ug/L #	86
51) Chlorobenzene	9.47	112	11553	2.415	ug/L	97
52) Ethylbenzene	9.60	91	20263	2.321	ug/L	96
53) m,p-Xylene	9.72	106	7441	2.311	ug/L	90
54) o-xylene	10.13	106	7303	2.289	ug/L	92
55) Styrene	10.14	104	11235	2.113	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.81	83	7939	2.436	ug/L #	93
59) Bromoform	10.32	173	2527	2.285	ug/L #	89
60) 1,2,3-Trichloropropane	10.85	75	6166	2.618	ug/L	97
61) Isopropylbenzene	10.51	105	18165	2.437	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	15554	2.434	ug/L	97
63) 1,2,4-Trimethylbenzene	11.49	105	14908	2.336	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	7728	2.465	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	8047	2.550	ug/L	98
67) 1,2-Dichlorobenzene	12.24	146	8028	2.529	ug/L	91
68) 1,2-Dibromo-3-chloropropan	13.01	75	1464	2.175	ug/L	91
69) 1,3,5-Trichlorobenzene	13.24	180	4490	2.066	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	2896	1.598	ug/L	94
71) Naphthalene	14.10	128	8570	1.341	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	2793	1.547	ug/L	95

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

