

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039650.D
 Acq On : 23 Jul 2020 20:53
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:42 AM

Quant Time: Jul 24 03:43:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	190102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181662	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51120	41.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.62%
7) Chloroethane-d5	1.92	69	51591	34.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.58%#
11) 1,1-Dichloroethene-d2	2.58	63	85717	32.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.44%
21) 2-Butanone-d5	4.65	46	128287	89.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.79%
24) Chloroform-d	5.08	84	120994	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.94%
26) 1,2-Dichloroethane-d4	5.72	65	89391	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.88%
32) Benzene-d6	5.75	84	236773	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.71	67	77407	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.91	98	213361	44.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.90%
43) trans-1,3-Dichloropropene-	8.19	79	36607	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
47) 2-Hexanone-d5	8.64	63	81222	90.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.01%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	113549	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	12.19	152	83906	45.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2280	1.761 ug/L	95
3) Chloromethane	1.53	50	2532	1.882 ug/L	86
5) Vinyl chloride	1.61	62	2976	2.177 ug/L #	75
6) Bromomethane	1.86	94	2456	2.391 ug/L	98
8) Chloroethane	1.94	64	1997	1.643 ug/L	94
9) Trichlorofluoromethane	2.15	101	4269	1.767 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2671	2.297 ug/L	91
12) 1,1-Dichloroethene	2.59	96	2406	2.219 ug/L #	1
13) Acetone	2.64	43	3471	3.650 ug/L	69
14) Carbon disulfide	2.81	76	6228	1.795 ug/L	98
15) Methyl Acetate	2.97	43	2948	1.731 ug/L	99
16) Methylene chloride	3.06	84	2367	1.823 ug/L	81
17) trans-1,2-Dichloroethene	3.37	96	2286	1.894 ug/L	95
18) Methyl tert-butyl Ether	3.39	73	6760	1.734 ug/L	98
19) 1,1-Dichloroethane	3.89	63	4605	1.955 ug/L	92
20) cis-1,2-Dichloroethene	4.68	96	2301	1.668 ug/L	96
22) 2-Butanone	4.73	43	4503	3.360 ug/L #	72

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

23) Bromochloromethane	4.99	128	1090	1.573	ug/L #	67
25) Chloroform	5.11	83	10247	3.923	ug/L	98
27) 1,2-Dichloroethane	5.81	62	4243	1.959	ug/L	96
29) Cyclohexane	5.41	56	3707	1.878	ug/L #	91
30) 1,1,1-Trichloroethane	5.33	97	3920	1.802	ug/L	98
31) Carbon tetrachloride	5.54	117	3240	1.796	ug/L	96
33) Benzene	5.79	78	9910	1.979	ug/L	100
34) Trichloroethene	6.55	95	2497	1.886	ug/L	90
35) Methylcyclohexane	6.78	83	3748	1.830	ug/L	98
37) 1,2-Dichloropropane	6.81	63	2623	1.935	ug/L #	89
38) Bromodichloromethane	7.12	83	3307	1.837	ug/L #	84
39) cis-1,3-Dichloropropene	7.62	75	3509	1.732	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	8370	3.544	ug/L #	98
42) Toluene	7.98	91	9657	1.754	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	3345	1.686	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	2392	1.850	ug/L #	79
46) Tetrachloroethene	8.56	164	1470	1.468	ug/L	87
48) 2-Hexanone	8.69	43	10119	5.259	ug/L	98
49) Dibromochloromethane	8.82	129	2276	1.559	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2526	1.756	ug/L #	99
51) Chlorobenzene	9.45	112	6425	1.829	ug/L	98
52) Ethylbenzene	9.57	91	10462	1.719	ug/L	98
53) m,p-Xylene	9.69	106	3875	1.690	ug/L	90
54) o-xylene	10.10	106	3813	1.732	ug/L	91
55) Styrene	10.11	104	5761	1.513	ug/L	95
56) Isopropylbenzene	10.48	105	9944	1.664	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4580	1.944	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	3519	1.789	ug/L	92
61) Bromoform	10.29	173	1528	1.519	ug/L #	95
62) 1,3-Dichlorobenzene	11.74	146	4495	1.726	ug/L	90
63) 1,4-Dichlorobenzene	11.83	146	5002	1.917	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	4748	1.804	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	808m	1.535	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3267	1.739	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	2645	1.659	ug/L	97
69) Naphthalene	14.08	128	6785	1.419	ug/L #	94
70) 1,2,3-Trichlorobenzene	14.32	180	2427	1.507	ug/L	99

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

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