

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039649.D
 Acq On : 23 Jul 2020 20:31
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:48 AM

Quant Time: Jul 24 03:41:43 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	191803	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	184914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	84931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52695	42.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.40%
7) Chloroethane-d5	1.92	69	61625	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	2.58	63	86708	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.65	46	130651	90.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.63%
24) Chloroform-d	5.09	84	120247	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.72	65	88685	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
32) Benzene-d6	5.75	84	232757	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
36) 1,2-Dichloropropane-d6	6.71	67	78250	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.91	98	212377	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%
43) trans-1,3-Dichloropropene-	8.19	79	35621	41.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.82%
47) 2-Hexanone-d5	8.64	63	81106	88.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116837	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	12.19	152	85553	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2062	1.578	ug/L	98
3) Chloromethane	1.53	50	2378	1.752	ug/L	98
5) Vinyl chloride	1.61	62	2419	1.754	ug/L #	60
6) Bromomethane	1.86	94	2175	2.099	ug/L	95
8) Chloroethane	1.94	64	2078	1.694	ug/L	93
9) Trichlorofluoromethane	2.15	101	3949	1.620	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2210	1.884	ug/L #	69
12) 1,1-Dichloroethene	2.59	96	2410	2.203	ug/L #	1
13) Acetone	2.65	43	3530	3.680	ug/L	80
14) Carbon disulfide	2.81	76	5673	1.620	ug/L	98
15) Methyl Acetate	2.97	43	2880	1.676	ug/L	96
16) Methylene chloride	3.06	84	2339	1.785	ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	1804	1.482	ug/L	91
18) Methyl tert-butyl Ether	3.38	73	6443	1.638	ug/L #	89
19) 1,1-Dichloroethane	3.90	63	4053	1.706	ug/L #	90
20) cis-1,2-Dichloroethene	4.69	96	2232m	1.604	ug/L	
22) 2-Butanone	4.73	43	4626m	3.422	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	1050	1.502	ug/L	97
25) Chloroform	5.11	83	9425	3.576	ug/L	97
27) 1,2-Dichloroethane	5.81	62	3982	1.822	ug/L #	95
29) Cyclohexane	5.41	56	3173	1.579	ug/L #	89
30) 1,1,1-Trichloroethane	5.34	97	3543	1.600	ug/L #	89
31) Carbon tetrachloride	5.55	117	2960	1.612	ug/L	93
33) Benzene	5.79	78	8611	1.690	ug/L	100
34) Trichloroethene	6.56	95	2232	1.656	ug/L	92
35) Methylcyclohexane	6.77	83	2954	1.417	ug/L #	92
37) 1,2-Dichloropropane	6.81	63	2368m	1.716	ug/L	
38) Bromodichloromethane	7.12	83	2950	1.610	ug/L #	95
39) cis-1,3-Dichloropropene	7.62	75	3341	1.620	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	7586	3.156	ug/L	100
42) Toluene	7.98	91	8868	1.582	ug/L	95
44) trans-1,3-Dichloropropene	8.22	75	3762m	1.863	ug/L	
45) 1,1,2-Trichloroethane	8.41	97	2085	1.585	ug/L	95
46) Tetrachloroethene	8.56	164	1622	1.591	ug/L	89
48) 2-Hexanone	8.69	43	10526	5.374	ug/L	99
49) Dibromochloromethane	8.82	129	2312	1.556	ug/L	89
50) 1,2-Dibromoethane	8.93	107	2438	1.665	ug/L #	85
51) Chlorobenzene	9.45	112	5743	1.606	ug/L #	86
52) Ethylbenzene	9.57	91	9201	1.486	ug/L	93
53) m,p-Xylene	9.70	106	3663	1.569	ug/L	83
54) o-xylene	10.10	106	3530	1.576	ug/L	96
55) Styrene	10.12	104	5219	1.346	ug/L	96
56) Isopropylbenzene	10.48	105	8489	1.396	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	3998	1.667	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	3444	1.720	ug/L	91
61) Bromoform	10.29	173	1437	1.430	ug/L #	77
62) 1,3-Dichlorobenzene	11.74	146	4018	1.544	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4503	1.728	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	4561	1.735	ug/L #	92
66) 1,2-Dibromo-3-chloropropan	12.98	75	701m	1.333	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	2767	1.475	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2121	1.332	ug/L	98
69) Naphthalene	14.08	128	6300	1.319	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	2047	1.273	ug/L	94

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

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