

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080119\
 Data File : VU033542.D
 Acq On : 01 Aug 2019 11:40
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.00u/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 8:29:28 AM

Quant Time: Aug 02 02:21:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 01:49:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	305108	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	300902	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	145770	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101042	45.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.10%
7) Chloroethane-d5	1.67	69	96682	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.26	63	146589	36.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.82%
21) 2-Butanone-d5	4.16	46	175229	119.26	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.26%
24) Chloroform-d	4.62	84	192759	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.68%
26) 1,2-Dichloroethane-d4	5.29	65	127348	54.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.16%
32) Benzene-d6	5.32	84	389160	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.34%
36) 1,2-Dichloropropane-d6	6.31	67	127158	54.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.76%
41) Toluene-d8	7.55	98	347567	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	7.83	79	58351	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.30	63	123519	111.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192273	53.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	142882	53.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	8264	2.872 ug/L	100
3) Chloromethane	1.32	50	8469	2.922 ug/L	96
5) Vinyl chloride	1.40	62	8681	2.794 ug/L #	77
6) Bromomethane	1.62	94	5427	1.980 ug/L	98
8) Chloroethane	1.69	64	5796	3.070 ug/L	93
9) Trichlorofluoromethane	1.87	101	12192	3.000 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7008	3.401 ug/L	91
12) 1,1-Dichloroethene	2.27	96	6322	3.200 ug/L #	1
13) Acetone	2.33	43	8843m	5.883 ug/L	
14) Carbon disulfide	2.46	76	16783	2.708 ug/L	96
15) Methyl Acetate	2.61	43	6952	2.905 ug/L	91
16) Methylene chloride	2.68	84	6848	3.034 ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	5954	2.876 ug/L	89
18) Methyl tert-butyl Ether	2.98	73	16214	2.568 ug/L	97
19) 1,1-Dichloroethane	3.42	63	11190	2.880 ug/L	95
20) cis-1,2-Dichloroethene	4.20	96	6601	2.841 ug/L	97
22) 2-Butanone	4.27	43	10093m	5.624 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3088	2.547	uq/L	96
25) Chloroform	4.65	83	15407	3.768	uq/L	95
27) 1,2-Dichloroethane	5.39	62	9184	2.917	uq/L	99
29) Cyclohexane	4.97	56	7847	2.391	uq/L	94
30) 1,1,1-Trichloroethane	4.89	97	9237	2.668	uq/L	99
31) Carbon tetrachloride	5.11	117	7670	2.544	uq/L	98
33) Benzene	5.37	78	24385	2.809	uq/L	100
34) Trichloroethene	6.17	95	6581	2.874	uq/L	96
35) Methylcyclohexane	6.40	83	9099	2.546	uq/L	99
37) 1,2-Dichloropropane	6.41	63	6713	2.889	uq/L #	96
38) Bromodichloromethane	6.74	83	8823	2.937	uq/L #	99
39) cis-1,3-Dichloropropene	7.25	75	9142m	2.521	uq/L	
40) 4-Methyl-2-pentanone	7.45	43	16066	5.008	uq/L	98
42) Toluene	7.62	91	25684	2.752	uq/L	96
44) trans-1,3-Dichloropropene	7.86	75	8371m	2.554	uq/L	
45) 1,1,2-Trichloroethane	8.05	97	6289	2.851	uq/L	90
46) Tetrachloroethene	8.21	164	4957	2.652	uq/L	97
48) 2-Hexanone	8.35	43	14738	5.684	uq/L #	95
49) Dibromochloromethane	8.46	129	6752	2.690	uq/L	88
50) 1,2-Dibromoethane	8.57	107	7038	2.880	uq/L #	93
51) Chlorobenzene	9.10	112	17221	2.818	uq/L	97
52) Ethylbenzene	9.23	91	25687	2.556	uq/L	96
53) m,p-Xylene	9.36	106	8865	2.297	uq/L	93
54) o-xylene	9.76	106	8568	2.289	uq/L	95
55) Styrene	9.78	104	13411	2.110	uq/L	93
56) Isopropylbenzene	10.15	105	22073	2.257	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	12480	3.137	uq/L #	98
59) 1,2,3-Trichloropropane	10.48	75	8816	2.875	uq/L	100
61) Bromoform	9.94	173	4868	2.765	uq/L #	91
62) 1,3-Dichlorobenzene	11.40	146	11981	2.676	uq/L	98
63) 1,4-Dichlorobenzene	11.49	146	13383	2.877	uq/L	99
65) 1,2-Dichlorobenzene	11.86	146	13706	3.028	uq/L	93
66) 1,2-Dibromo-3-chloropropan	12.65	75	2159	2.582	uq/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	8614	2.385	uq/L	97
68) 1,2,4-trichlorobenzene	13.49	180	5829	1.889	uq/L	96
69) Naphthalene	13.74	128	14277m	1.612	uq/L	
70) 1,2,3-Trichlorobenzene	13.98	180	7040	2.169	uq/L	97

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

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