

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039644.D
 Acq On : 23 Jul 2020 18:41
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

sam
 7/30/2020 2:58:20 AM

Quant Time: Jul 24 03:13:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 02:44:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	216202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	203181	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	94681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54561	38.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.52%
7) Chloroethane-d5	1.92	69	64709	38.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.72%
11) 1,1-Dichloroethene-d2	2.58	63	90344	30.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.64%
21) 2-Butanone-d5	4.65	46	136376	83.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.93%
24) Chloroform-d	5.09	84	124803	39.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.86%
26) 1,2-Dichloroethane-d4	5.72	65	89670	39.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.28%
32) Benzene-d6	5.75	84	239608	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.94%
36) 1,2-Dichloropropane-d6	6.70	67	78241	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.58%
41) Toluene-d8	7.91	98	220229	41.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.96%
43) trans-1,3-Dichloropropene-	8.19	79	37606	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.54%
47) 2-Hexanone-d5	8.64	63	85052	84.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.28%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116033	39.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	88369	42.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2749	1.867 ug/L	97
3) Chloromethane	1.53	50	3156	2.062 ug/L	87
5) Vinyl chloride	1.61	62	3260	2.097 ug/L #	66
6) Bromomethane	1.87	94	2424	2.075 ug/L	90
8) Chloroethane	1.94	64	2622	1.896 ug/L	98
9) Trichlorofluoromethane	2.15	101	5578	2.030 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2967	2.243 ug/L	93
12) 1,1-Dichloroethene	2.59	96	2867	2.325 ug/L #	1
13) Acetone	2.65	43	4146m	3.834 ug/L	
14) Carbon disulfide	2.81	76	7714	1.955 ug/L	100
15) Methyl Acetate	2.97	43	3817	1.970 ug/L #	88
16) Methylene chloride	3.06	84	2976	2.015 ug/L	90
17) trans-1,2-Dichloroethene	3.38	96	2713	1.977 ug/L	75
18) Methyl tert-butyl Ether	3.38	73	8145	1.837 ug/L	98
19) 1,1-Dichloroethane	3.89	63	5224	1.951 ug/L	90
20) cis-1,2-Dichloroethene	4.69	96	3062	1.952 ug/L	72
22) 2-Butanone	4.74	43	6271	4.115 ug/L	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	1662	2.108	ug/L	82
25) Chloroform	5.11	83	9725	3.274	ug/L	95
27) 1,2-Dichloroethane	5.81	62	5132	2.083	ug/L	96
29) Cyclohexane	5.41	56	4351	1.971	ug/L #	87
30) 1,1,1-Trichloroethane	5.34	97	4725	1.943	ug/L	96
31) Carbon tetrachloride	5.55	117	4082	2.023	ug/L	93
33) Benzene	5.79	78	11811	2.109	ug/L	100
34) Trichloroethene	6.56	95	3017	2.037	ug/L #	88
35) Methylcyclohexane	6.77	83	4527	1.977	ug/L	94
37) 1,2-Dichloropropane	6.80	63	2907	1.917	ug/L #	89
38) Bromodichloromethane	7.12	83	4186	2.079	ug/L #	94
39) cis-1,3-Dichloropropene	7.62	75	4479	1.977	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	9829	3.721	ug/L	99
42) Toluene	7.98	91	12647	2.054	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	4026	1.814	ug/L	91
45) 1,1,2-Trichloroethane	8.41	97	2628	1.818	ug/L #	88
46) Tetrachloroethene	8.56	164	2185	1.950	ug/L	90
48) 2-Hexanone	8.69	43	12035	5.592	ug/L	97
49) Dibromochloromethane	8.82	129	3058	1.873	ug/L	99
50) 1,2-Dibromoethane	8.93	107	3202	1.991	ug/L #	95
51) Chlorobenzene	9.45	112	7494	1.907	ug/L #	86
52) Ethylbenzene	9.57	91	12481	1.834	ug/L	96
53) m,p-Xylene	9.70	106	4881	1.903	ug/L	85
54) o-xylene	10.10	106	4305	1.749	ug/L	93
55) Styrene	10.12	104	6651	1.561	ug/L	84
56) Isopropylbenzene	10.48	105	11823	1.769	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	5248	1.992	ug/L #	91
59) 1,2,3-Trichloropropane	10.82	75	4138	1.881	ug/L	100
61) Bromoform	10.29	173	1909	1.705	ug/L #	84
62) 1,3-Dichlorobenzene	11.74	146	5910	2.038	ug/L	91
63) 1,4-Dichlorobenzene	11.84	146	5872	2.021	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	6168	2.105	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	1145	1.953	ug/L #	74
67) 1,3,5-Trichlorobenzene	13.21	180	3819	1.826	ug/L	95
68) 1,2,4-trichlorobenzene	13.84	180	3199	1.802	ug/L	97
69) Naphthalene	14.08	128	8560	1.608	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	3224	1.798	ug/L	96

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

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