

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033478.D
 Acq On : 29 Jul 2019 19:15
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.00µ/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 3:01:13 PM

Quant Time: Jul 30 04:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 04:12:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294774	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294943	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	137435	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127703	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.42%
7) Chloroethane-d5	1.67	69	109938	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.42%
11) 1,1-Dichloroethene-d2	2.26	63	167210	34.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.32%
21) 2-Butanone-d5	4.15	46	135596	88.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.41%
24) Chloroform-d	4.62	84	179556	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	5.29	65	130268	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
32) Benzene-d6	5.32	84	400837	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.26%
36) 1,2-Dichloropropane-d6	6.31	67	126958	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.38%
41) Toluene-d8	7.55	98	364946	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.83	79	57079	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
47) 2-Hexanone-d5	8.30	63	105107	103.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.03%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	186350	49.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.88%
66) 1,2-Dichlorobenzene-d4	11.85	152	140725	53.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	7209	2.451 ug/L	98
3) Chloromethane	1.32	50	7808	2.659 ug/L	99
5) Vinyl chloride	1.40	62	8490	2.528 ug/L #	71
6) Bromomethane	1.62	94	5788	2.466 ug/L	97
8) Chloroethane	1.69	64	5355	2.600 ug/L	99
9) Trichlorofluoromethane	1.87	101	11287	2.563 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6819	3.081 ug/L #	83
12) 1,1-Dichloroethene	2.27	96	6028	2.795 ug/L #	1
13) Acetone	2.31	43	6288	4.137 ug/L	98
14) Carbon disulfide	2.46	76	15342	2.388 ug/L	97
15) Methyl Acetate	2.60	43	5701	2.339 ug/L	93
16) Methylene chloride	2.68	84	6037	2.548 ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	5297	2.473 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	14189	2.245 ug/L	97
19) 1,1-Dichloroethane	3.43	63	9838	2.439 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	5923	2.505 ug/L	96
22) 2-Butanone	4.25	43	7450m	4.125 ug/L	

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

23) Bromochloromethane	4.53	128	2967	2.363	ug/L	89
25) Chloroform	4.65	83	32844	7.681	ug/L	100
27) 1,2-Dichloroethane	5.39	62	8508	2.562	ug/L #	95
29) Cyclohexane	4.96	56	6866	2.119	ug/L	93
30) 1,1,1-Trichloroethane	4.89	97	8746	2.490	ug/L	98
31) Carbon tetrachloride	5.11	117	7702	2.464	ug/L	99
33) Benzene	5.37	78	22270	2.526	ug/L	100
34) Trichloroethene	6.17	95	5817	2.533	ug/L	96
35) Methylcyclohexane	6.40	83	8015	2.295	ug/L	99
37) 1,2-Dichloropropane	6.41	63	6182	2.607	ug/L	98
38) Bromodichloromethane	6.74	83	7793	2.497	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	8148	2.305	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	13897	4.448	ug/L	94
42) Toluene	7.62	91	23246	2.450	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	7839m	2.443	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	5675	2.510	ug/L	98
46) Tetrachloroethene	8.21	164	4483	2.398	ug/L	94
48) 2-Hexanone	8.35	43	15665	6.154	ug/L	98
49) Dibromochloromethane	8.46	129	5949	2.350	ug/L	99
50) 1,2-Dibromoethane	8.57	107	5937	2.420	ug/L	93
51) Chlorobenzene	9.10	112	15417	2.446	ug/L	97
52) Ethylbenzene	9.23	91	22480	2.186	ug/L	95
53) m,p-Xylene	9.36	106	7974	2.062	ug/L	97
54) o-xylene	9.76	106	7527	1.985	ug/L	98
55) Styrene	9.78	104	12101	1.881	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	11057	2.750	ug/L #	99
59) Bromoform	9.94	173	4223	2.456	ug/L #	93
60) 1,2,3-Trichloropropane	10.48	75	7551	2.697	ug/L	97
61) Isopropylbenzene	10.15	105	18985	2.157	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	14404	2.019	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	13748	1.943	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	11272	2.512	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	11420	2.464	ug/L	94
67) 1,2-Dichlorobenzene	11.86	146	12060	2.683	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	1912	2.456	ug/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	7529	2.210	ug/L	96
70) 1,2,4-trichlorobenzene	13.50	180	4698	1.652	ug/L	96
71) Naphthalene	13.74	128	12204	1.484	ug/L	95
72) 1,2,3-Trichlorobenzene	13.98	180	5541	1.860	ug/L	93

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

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