

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072919\
 Data File : VU033477.D
 Acq On : 29 Jul 2019 18:51
 Operator : JC/SP
 Sample : MDL01
 Misc : 5.00µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 3:01:07 PM

Quant Time: Jul 30 04:37:05 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	281215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294107	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	135815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125209	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.08%
7) Chloroethane-d5	1.67	69	106439	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.90%
11) 1,1-Dichloroethene-d2	2.25	63	172317	36.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.80%
21) 2-Butanone-d5	4.15	46	144303	98.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.62%
24) Chloroform-d	4.62	84	182370	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	5.29	65	125876	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.32	84	390853	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
36) 1,2-Dichloropropane-d6	6.31	67	124612	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.76%
41) Toluene-d8	7.55	98	351314	47.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.66%
43) trans-1,3-Dichloropropene-	7.83	79	52811	44.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.26%
47) 2-Hexanone-d5	8.30	63	101689	99.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.96%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	180781	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
66) 1,2-Dichlorobenzene-d4	11.85	152	135704	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	7384	2.632	ug/L	96
3) Chloromethane	1.32	50	7576	2.704	ug/L	96
5) Vinyl chloride	1.40	62	8693	2.714	ug/L #	71
6) Bromomethane	1.62	94	5593	2.498	ug/L	97
8) Chloroethane	1.69	64	5365	2.730	ug/L	100
9) Trichlorofluoromethane	1.87	101	11594	2.759	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6974	3.303	ug/L #	81
12) 1,1-Dichloroethene	2.27	96	6724	3.268	ug/L #	1
13) Acetone	2.31	43	7315	5.044	ug/L	98
14) Carbon disulfide	2.46	76	16566	2.703	ug/L	100
15) Methyl Acetate	2.60	43	6552	2.817	ug/L	98
16) Methylene chloride	2.68	84	6411	2.836	ug/L	96
17) trans-1,2-Dichloroethene	2.97	96	5382	2.634	ug/L	93
18) Methyl tert-butyl Ether	2.98	73	14844	2.461	ug/L	96
19) 1,1-Dichloroethane	3.42	63	11005	2.860	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	5945	2.636	ug/L	90
22) 2-Butanone	4.25	43	8005m	4.646	ug/L	

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

23) Bromochloromethane	4.52	128	3208	2.678	ug/L #	89
25) Chloroform	4.65	83	21466	5.262	ug/L	100
27) 1,2-Dichloroethane	5.38	62	8553	2.700	ug/L	97
29) Cyclohexane	4.97	56	7011	2.170	ug/L	92
30) 1,1,1-Trichloroethane	4.89	97	9111	2.602	ug/L	98
31) Carbon tetrachloride	5.12	117	7902	2.535	ug/L	96
33) Benzene	5.37	78	22946	2.610	ug/L	100
34) Trichloroethene	6.17	95	6003	2.621	ug/L	97
35) Methylcyclohexane	6.40	83	7866	2.259	ug/L	99
37) 1,2-Dichloropropane	6.41	63	6166	2.608	ug/L #	94
38) Bromodichloromethane	6.74	83	8028	2.579	ug/L	94
39) cis-1,3-Dichloropropene	7.26	75	8302	2.355	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	14259	4.576	ug/L	99
42) Toluene	7.62	91	24161	2.554	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	8234m	2.573	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	5798	2.571	ug/L	97
46) Tetrachloroethene	8.21	164	4442	2.383	ug/L	94
48) 2-Hexanone	8.35	43	17993	7.088	ug/L #	89
49) Dibromochloromethane	8.46	129	6304	2.497	ug/L	96
50) 1,2-Dibromoethane	8.57	107	6259	2.559	ug/L #	96
51) Chlorobenzene	9.10	112	15830	2.519	ug/L	96
52) Ethylbenzene	9.23	91	23914	2.332	ug/L	97
53) m,p-Xylene	9.36	106	8362	2.168	ug/L	99
54) o-xylene	9.77	106	7735	2.046	ug/L	94
55) Styrene	9.78	104	13119	2.045	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	11377	2.838	ug/L	99
59) Bromoform	9.94	173	4755	2.799	ug/L #	92
60) 1,2,3-Trichloropropane	10.48	75	8279	2.992	ug/L	95
61) Isopropylbenzene	10.15	105	21026	2.417	ug/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	15212	2.158	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	14333	2.050	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	10750	2.424	ug/L	96
65) 1,4-Dichlorobenzene	11.49	146	12289	2.683	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	12117	2.727	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.64	75	2008	2.610	ug/L #	77
69) 1,3,5-Trichlorobenzene	12.88	180	7646	2.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.50	180	5316m	1.892	ug/L	
71) Naphthalene	13.74	128	11719	1.442	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	5620	1.909	ug/L	90

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

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