

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102921\
 Data File : VW023100.D
 Acq On : 29 Oct 2021 13:12
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:39:40 PM

Quant Time: Oct 30 00:43:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 00:25:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	261998	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	255629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	130361	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	80706	44.697	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.400%		
7) Chloroethane-d5	1.568	69	67495	47.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.860%		
11) 1,1-Dichloroethene-d2	2.108	63	117606	34.385	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.760%		
21) 2-Butanone-d5	3.876	46	142927	105.654	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.650%		
24) Chloroform-d	4.349	84	181990	47.938	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.880%		
26) 1,2-Dichloroethane-d4	5.034	65	116765	51.964	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.920%		
32) Benzene-d6	5.050	84	353402	50.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.940%		
36) 1,2-Dichloropropane-d6	6.069	67	114633	51.424	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.840%		
41) Toluene-d8	7.317	98	312372	48.893	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.780%		
43) trans-1,3-Dichloroprop...	7.622	79	52185	48.842	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.680%		
47) 2-Hexanone-d5	8.088	63	99098	102.352	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.350%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	164611	50.523	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.040%		
66) 1,2-Dichlorobenzene-d4	11.625	152	132149	52.553	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	4715	1.893	ug/L	97
3) Chloromethane	1.240	50	4686	1.995	ug/L	96
5) Vinyl chloride	1.310	62	4571	1.947	ug/L #	69
6) Bromomethane	1.523	94	2621	1.988	ug/L	98
8) Chloroethane	1.584	64	2940	2.057	ug/L	88
9) Trichlorofluoromethane	1.754	101	6307	1.770	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	4479	2.368	ug/L #	83
12) 1,1-Dichloroethene	2.117	96	4351	2.479	ug/L #	1
13) Acetone	2.169	43	5676	4.233	ug/L #	77
14) Carbon disulfide	2.294	76	9695	1.847	ug/L	97
15) Methyl Acetate	2.439	43	4670	2.098	ug/L	99
16) Methylene chloride	2.506	84	4664	2.075	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	3719	1.857	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	11149	1.854	ug/L	97
19) 1,1-Dichloroethane	3.195	63	7192	1.927	ug/L	96
20) cis-1,2-Dichloroethene	3.918	96	4014	1.875	ug/L	99
22) 2-Butanone	4.005	43	6050m	3.959	ug/L	
23) Bromochloromethane	4.262	128	2277	1.887	ug/L	78
25) Chloroform	4.375	83	8271	2.155	ug/L	83

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	6041	2.097	ug/L	98
29) Cyclohexane	4.683	56	5070m	1.699	ug/L	
30) 1,1,1-Trichloroethane	4.609	97	6109	1.793	ug/L	97
31) Carbon tetrachloride	4.828	117	5443	1.778	ug/L	95
33) Benzene	5.111	78	15929	2.000	ug/L	100
34) Trichloroethene	5.924	95	3954	1.900	ug/L	92
35) Methylcyclohexane	6.130	83	6005m	1.852	ug/L	
37) 1,2-Dichloropropane	6.182	63	4200m	2.007	ug/L	
38) Bromodichloromethane	6.519	83	5220	1.843	ug/L	94
39) cis-1,3-Dichloropropene	7.037	75	6349m	2.000	ug/L	
40) 4-Methyl-2-pentanone	7.236	43	9116	3.377	ug/L	97
42) Toluene	7.394	91	19421	2.279	ug/L	100
44) trans-1,3-Dichloropropene	7.661	75	5773m	1.876	ug/L	
45) 1,1,2-Trichloroethane	7.847	97	4059	1.899	ug/L	95
46) Tetrachloroethene	7.979	164	3238	1.805	ug/L	94
48) 2-Hexanone	8.149	43	9626m	4.492	ug/L	
49) Dibromochloromethane	8.252	129	4508	1.846	ug/L	94
50) 1,2-Dibromoethane	8.358	107	4266	1.895	ug/L #	93
51) Chlorobenzene	8.886	112	11356	1.972	ug/L	93
52) Ethylbenzene	9.017	91	14827	1.635	ug/L	100
53) m,p-Xylene	9.146	106	5851	1.674	ug/L	94
54) o-Xylene	9.545	106	5402	1.588	ug/L	90
55) Styrene	9.567	104	8010	1.355	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.242	83	6858	2.012	ug/L #	98
59) Bromoform	9.734	173	3110	1.886	ug/L #	95
60) Isopropylbenzene	9.934	105	13514	1.623	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	5126	2.098	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	10685	1.558	ug/L	95
63) 1,2,4-Trimethylbenzene	10.918	105	11035	1.603	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	7181	1.706	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	8315	1.896	ug/L	96
67) 1,2-Dichlorobenzene	11.644	146	8973	2.108	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	1496	2.194	ug/L	91
69) 1,3,5-Trichlorobenzene	12.651	180	5846	1.836	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	4897	1.774	ug/L	95
71) Naphthalene	13.506	128	14585	1.646	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	5540	1.899	ug/L	96

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

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