

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102821\
 Data File : VW023089.D
 Acq On : 28 Oct 2021 21:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:51 PM

Quant Time: Oct 29 02:17:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:52:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	263108	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	260010	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	129468	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	82729	45.625	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.240%
7) Chloroethane-d5	1.568	69	66906	47.307	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.620%
11) 1,1-Dichloroethene-d2	2.108	63	120482	35.077	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.160%
21) 2-Butanone-d5	3.879	46	151993	111.881	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.880%
24) Chloroform-d	4.352	84	178993	46.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.900%
26) 1,2-Dichloroethane-d4	5.034	65	115213	51.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.120%
32) Benzene-d6	5.053	84	355380	49.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.780%
36) 1,2-Dichloropropane-d6	6.072	67	113936	50.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.500%
41) Toluene-d8	7.317	98	314276	48.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.720%
43) trans-1,3-Dichloroprop...	7.622	79	52462	48.274	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.540%
47) 2-Hexanone-d5	8.088	63	108532	110.207	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.210%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	165587	49.966	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.940%
66) 1,2-Dichlorobenzene-d4	11.625	152	129030	51.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	5572	2.228	ug/L	99
3) Chloromethane	1.240	50	5463	2.316	ug/L	100
5) Vinyl chloride	1.310	62	5671	2.406	ug/L #	77
6) Bromomethane	1.523	94	3185	2.405	ug/L	100
8) Chloroethane	1.584	64	3352	2.336	ug/L	96
9) Trichlorofluoromethane	1.754	101	7878	2.202	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5287	2.784	ug/L #	81
12) 1,1-Dichloroethene	2.117	96	5058	2.870	ug/L #	1
13) Acetone	2.172	43	5757	4.275	ug/L #	75
14) Carbon disulfide	2.297	76	12494	2.371	ug/L	98
15) Methyl Acetate	2.439	43	6230	2.787	ug/L	92
16) Methylene chloride	2.510	84	5953	2.637	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	4515	2.245	ug/L	94
18) Methyl tert-butyl Ether	2.770	73	13809	2.286	ug/L	98
19) 1,1-Dichloroethane	3.195	63	8816	2.353	ug/L	97
20) cis-1,2-Dichloroethene	3.921	96	4859	2.260	ug/L	99
22) 2-Butanone	3.998	43	7226m	4.708	ug/L	
23) Bromochloromethane	4.256	128	2826	2.332	ug/L	83
25) Chloroform	4.378	83	10050	2.608	ug/L	91

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

27) 1,2-Dichloroethane	5.140	62	6366	2.201	ug/L	97
29) Cyclohexane	4.683	56	6209	2.046	ug/L #	84
30) 1,1,1-Trichloroethane	4.609	97	7822	2.258	ug/L	97
31) Carbon tetrachloride	4.831	117	6557	2.106	ug/L	90
33) Benzene	5.104	78	19084	2.356	ug/L	100
34) Trichloroethene	5.921	95	4768	2.253	ug/L	95
35) Methylcyclohexane	6.133	83	7008	2.125	ug/L	94
37) 1,2-Dichloropropane	6.182	63	5154m	2.421	ug/L	
38) Bromodichloromethane	6.516	83	6583	2.285	ug/L	96
39) cis-1,3-Dichloropropene	7.037	75	7547m	2.338	ug/L	
40) 4-Methyl-2-pentanone	7.233	43	11557	4.209	ug/L	98
42) Toluene	7.394	91	24342	2.808	ug/L	96
44) trans-1,3-Dichloropropene	7.657	75	7313	2.336	ug/L	98
45) 1,1,2-Trichloroethane	7.847	97	5194	2.390	ug/L	96
46) Tetrachloroethene	7.979	164	4036	2.212	ug/L	94
48) 2-Hexanone	8.149	43	10829	4.968	ug/L #	95
49) Dibromochloromethane	8.252	129	5863	2.361	ug/L	91
50) 1,2-Dibromoethane	8.362	107	5427	2.371	ug/L #	98
51) Chlorobenzene	8.882	112	13918	2.377	ug/L	100
52) Ethylbenzene	9.017	91	18282	1.982	ug/L	98
53) m,p-Xylene	9.143	106	7204	2.026	ug/L	95
54) o-Xylene	9.548	106	6717	1.941	ug/L	99
55) Styrene	9.570	104	11008	1.830	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.242	83	9066	2.616	ug/L #	97
59) Bromoform	9.734	173	4378	2.673	ug/L #	97
60) Isopropylbenzene	9.934	105	16967	2.051	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	6548	2.699	ug/L	95
62) 1,3,5-Trimethylbenzene	10.541	105	14082	2.067	ug/L	95
63) 1,2,4-Trimethylbenzene	10.918	105	13363	1.954	ug/L	96
64) 1,3-Dichlorobenzene	11.185	146	9765	2.335	ug/L	94
65) 1,4-Dichlorobenzene	11.275	146	10286	2.362	ug/L	95
67) 1,2-Dichlorobenzene	11.644	146	10747	2.542	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.432	75	1832	2.705	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	7317	2.314	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	6118	2.232	ug/L	100
71) Naphthalene	13.506	128	18648	2.119	ug/L	97
72) 1,2,3-Trichlorobenzene	13.747	180	6331	2.185	ug/L	96

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

