

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050721\
 Data File : VW021321.D
 Acq On : 07 May 2021 12:56
 Operator : SY/MD
 Sample : M2250-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-MED-SOIL-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 1:52:47 PM

Quant Time: May 08 00:36:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 08 00:36:06 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	640845	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	612546	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	327961	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	148636	52.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.58%
7) Chloroethane-d5	1.571	69	128855	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.44%
11) 1,1-Dichloroethene-d2	2.108	63	290469	36.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.26%
21) 2-Butanone-d5	3.908	46	210108	92.11	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.11%
24) Chloroform-d	4.352	84	437277	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.037	65	339182	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
32) Benzene-d6	5.053	84	723638	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.072	67	183359	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	7.320	98	729646	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%
43) trans-1,3-Dichloroprop...	7.625	79	126193m	46.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.64%
47) 2-Hexanone-d5	8.095	63	152260	90.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.99%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	265792	45.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.68%
66) 1,2-Dichlorobenzene-d4	11.632	152	326203	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	10250	1.98	ug/L #	80
3) Chloromethane	1.243	50	7971	2.56	ug/L	100
5) Vinyl chloride	1.314	62	9936m	2.56	ug/L	
6) Bromomethane	1.523	94	8658	2.84	ug/L	95
8) Chloroethane	1.584	64	5515m	2.20	ug/L	
9) Trichlorofluoromethane	1.754	101	23982	2.36	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	13528	3.01	ug/L	87
12) 1,1-Dichloroethene	2.117	96	14072	3.51	ug/L #	1
13) Acetone	2.195	43	12680m	4.70	ug/L	
14) Carbon disulfide	2.294	76	22907	2.28	ug/L #	93
15) Methyl Acetate	2.449	43	8721m	2.68	ug/L	
16) Methylene chloride	2.513	84	12655	3.08	ug/L	89
17) trans-1,2-Dichloroethene	2.764	96	10230	2.55	ug/L	83
18) Methyl tert-butyl Ether	2.770	73	36630	2.54	ug/L #	87
19) 1,1-Dichloroethane	3.191	63	16711	2.40	ug/L #	91
20) cis-1,2-Dichloroethene	3.918	96	10438	2.36	ug/L	97
22) 2-Butanone	4.008	43	13751m	5.34	ug/L	
23) Bromochloromethane	4.259	128	7310m	2.89	ug/L	
25) Chloroform	4.384	83	26361m	2.88	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	19374	2.32	ug/L	95
29) Cyclohexane	4.683	56	11963m	2.32	ug/L	
30) 1,1,1-Trichloroethane	4.609	97	24864m	2.60	ug/L	
31) Carbon tetrachloride	4.831	117	20588m	2.31	ug/L	
33) Benzene	5.104	78	36689m	2.34	ug/L	
34) Trichloroethene	5.924	95	12248	2.43	ug/L	90
35) Methylcyclohexane	6.137	83	14978	2.27	ug/L #	27
37) 1,2-Dichloropropane	6.178	63	7558	2.28	ug/L #	90
38) Bromodichloromethane	6.519	83	15896	2.26	ug/L #	95
39) cis-1,3-Dichloropropene	7.037	75	17080	2.65	ug/L	97
40) 4-Methyl-2-pentanone	7.236	43	20542	4.38	ug/L #	70
42) Toluene	7.397	91	54322	2.97	ug/L	92
44) trans-1,3-Dichloropropene	7.657	75	16013	2.27	ug/L	88
45) 1,1,2-Trichloroethane	7.844	97	10878m	2.56	ug/L	
46) Tetrachloroethene	7.982	164	11384	2.63	ug/L #	69
48) 2-Hexanone	8.149	43	32322	8.58	ug/L #	85
49) Dibromochloromethane	8.255	129	14652	2.43	ug/L	88
50) 1,2-Dibromoethane	8.362	107	11943	2.50	ug/L #	97
51) Chlorobenzene	8.889	112	32801	2.60	ug/L	90
52) Ethylbenzene	9.021	91	46765	2.22	ug/L	99
53) m,p-Xylene	9.146	106	19233	2.32	ug/L	92
54) o-Xylene	9.551	106	17705	2.22	ug/L	98
55) Styrene	9.570	104	26556	1.95	ug/L	84
57) 1,1,2,2-Tetrachloroethane	10.242	83	12048	2.10	ug/L #	82
59) Bromoform	9.741	173	9860	2.25	ug/L	96
60) Isopropylbenzene	9.937	105	47086	2.25	ug/L	97
61) 1,2,3-Trichloropropane	10.281	75	15230	2.84	ug/L	96
62) 1,3,5-Trimethylbenzene	10.545	105	43379	2.36	ug/L	98
63) 1,2,4-Trimethylbenzene	10.924	105	41113	2.23	ug/L	97
64) 1,3-Dichlorobenzene	11.194	146	22519	2.21	ug/L #	79
65) 1,4-Dichlorobenzene	11.281	146	29733	2.85	ug/L	87
67) 1,2-Dichlorobenzene	11.651	146	26253	2.55	ug/L #	82
68) 1,2-Dibromo-3-chloropr...	12.439	75	4603	2.47	ug/L #	74
69) 1,3,5-Trichlorobenzene	12.654	180	18131m	2.30	ug/L	
70) 1,2,4-trichlorobenzene	13.271	180	12629	1.97	ug/L	95
71) Naphthalene	13.516	128	24184	1.37	ug/L #	87
72) 1,2,3-Trichlorobenzene	13.750	180	11491	1.77	ug/L #	89

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

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