

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012721\
 Data File : VW020180.D
 Acq On : 26 Jan 2021 19:41
 Operator : SY/MD
 Sample : L5214-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-02

Manual Integrations
 APPROVED

MMDadoda

1/29/2021 11:58:07 AM

Quant Time: Jan 27 07:14:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 27 07:09:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	972884	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.858	117	925876	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	488064	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	314560	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.62%
7) Chloroethane-d5	1.569	69	257080	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.110	63	386666	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.44%
21) 2-Butanone-d5	3.894	46	455809	107.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.49%
24) Chloroform-d	4.354	84	587041	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	5.035	65	401585	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
32) Benzene-d6	5.055	84	1162778	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
36) 1,2-Dichloropropane-d6	6.074	67	364634	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.46%
41) Toluene-d8	7.318	98	1053011	48.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.14%
43) trans-1,3-Dichloroprop...	7.624	79	168391	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.093	63	342117	107.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.13%
56) 1,1,2,2-Tetrachloroeth...	10.222	84	444090	42.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.80%
66) 1,2-Dichlorobenzene-d4	11.633	152	459622	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.129	85	14086	2.07	ug/L	97
3) Chloromethane	1.241	50	18770	2.43	ug/L	96
5) Vinyl chloride	1.312	62	15652	2.28	ug/L #	67
6) Bromomethane	1.524	94	9678	2.55	ug/L	98
8) Chloroethane	1.589	64	9663	2.28	ug/L	99
9) Trichlorofluoromethane	1.753	101	20435	2.05	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.116	101	13437	2.60	ug/L #	78
12) 1,1-Dichloroethene	2.116	96	13498	2.78	ug/L #	1
13) Acetone	2.190	43	12315	4.85	ug/L	100
14) Carbon disulfide	2.296	76	32277	2.30	ug/L	97
15) Methyl Acetate	2.447	43	14029	2.46	ug/L #	79
16) Methylene chloride	2.511	84	15104	2.59	ug/L	93
17) trans-1,2-Dichloroethene	2.765	96	12488	2.26	ug/L	96
18) Methyl tert-butyl Ether	2.772	73	37624	2.15	ug/L #	94
19) 1,1-Dichloroethane	3.196	63	22662	2.16	ug/L	93
20) cis-1,2-Dichloroethene	3.917	96	13464	2.13	ug/L	99
22) 2-Butanone	4.013	43	16893m	3.97	ug/L	
23) Bromochloromethane	4.261	128	6972	2.02	ug/L #	90
25) Chloroform	4.383	83	28049	2.49	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.145	62	20249	2.28	ug/L	98
29) Cyclohexane	4.685	56	17537	1.90	ug/L	92
30) 1,1,1-Trichloroethane	4.614	97	20562	2.01	ug/L	97
31) Carbon tetrachloride	4.839	117	17122	1.93	ug/L	97
33) Benzene	5.109	78	49646	2.06	ug/L	100
34) Trichloroethene	5.923	95	14202	2.11	ug/L	93
35) Methylcyclohexane	6.138	83	18975	1.92	ug/L	98
37) 1,2-Dichloropropane	6.183	63	12432	1.91	ug/L #	93
38) Bromodichloromethane	6.518	83	16909	1.92	ug/L	98
39) cis-1,3-Dichloropropene	7.039	75	18719	1.91	ug/L	95
40) 4-Methyl-2-pentanone	7.238	43	34915	3.91	ug/L	97
42) Toluene	7.395	91	53653	2.05	ug/L	100
44) trans-1,3-Dichloropropene	7.659	75	17520	1.85	ug/L	98
45) 1,1,2-Trichloroethane	7.849	97	13313	2.13	ug/L	95
46) Tetrachloroethene	7.981	164	11768	2.13	ug/L	94
48) 2-Hexanone	8.151	43	30349	4.75	ug/L	94
49) Dibromochloromethane	8.254	129	13714	1.97	ug/L	98
50) 1,2-Dibromoethane	8.360	107	13872	2.08	ug/L	91
51) Chlorobenzene	8.887	112	36307	2.10	ug/L	96
52) Ethylbenzene	9.019	91	57866	2.02	ug/L	96
53) m,p-Xylene	9.148	106	20893	1.90	ug/L	98
54) o-Xylene	9.550	106	21120	1.96	ug/L	93
55) Styrene	9.569	104	32871	1.76	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.247	83	20856	2.04	ug/L #	96
59) Bromoform	9.739	173	10209	1.91	ug/L #	94
60) Isopropylbenzene	9.939	105	55304	2.02	ug/L	98
61) 1,2,3-Trichloropropane	10.280	75	15624	2.01	ug/L	98
62) 1,3,5-Trimethylbenzene	10.546	105	44314	1.89	ug/L	100
63) 1,2,4-Trimethylbenzene	10.923	105	40645	1.76	ug/L	98
64) 1,3-Dichlorobenzene	11.193	146	28523	2.03	ug/L	98
65) 1,4-Dichlorobenzene	11.280	146	31277	2.16	ug/L	97
67) 1,2-Dichlorobenzene	11.649	146	30653	2.17	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.437	75	4616	2.02	ug/L	93
69) 1,3,5-Trichlorobenzene	12.656	180	23845	2.01	ug/L	99
70) 1,2,4-trichlorobenzene	13.273	180	21472	1.96	ug/L	99
71) Naphthalene	13.514	128	54210	1.76	ug/L	100
72) 1,2,3-Trichlorobenzene	13.755	180	21239	1.96	ug/L	97

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

