

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022421\
 Data File : VU042422.D
 Acq On : 24 Feb 2021 11:41
 Operator : SY/MD
 Sample : M1344-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Quant Time: Feb 25 02:15:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 25 02:14:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	204817	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	193057	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	98577	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68269	44.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.58%
7) Chloroethane-d5	1.915	69	57554	54.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.90%
11) 1,1-Dichloroethene-d2	2.571	63	120766	36.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.42%
21) 2-Butanone-d5	4.639	46	163178	102.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.32%
24) Chloroform-d	5.073	84	149526	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.713	65	113480	51.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.64%
32) Benzene-d6	5.738	84	276948	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.700	67	93392	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.70%
41) Toluene-d8	7.906	98	259576	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%
43) trans-1,3-Dichloroprop...	8.189	79	47719	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
47) 2-Hexanone-d5	8.645	63	106028	100.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.08%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	133893	48.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.00%
66) 1,2-Dichlorobenzene-d4	12.201	152	104238	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3485	2.03	ug/L	96
3) Chloromethane	1.523	50	3825	2.44	ug/L	99
5) Vinyl chloride	1.607	62	3770	2.43	ug/L #	56
6) Bromomethane	1.861	94	2373	2.73	ug/L	93
8) Chloroethane	1.938	64	2452	2.87	ug/L	100
9) Trichlorofluoromethane	2.144	101	5493	2.29	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4082	2.84	ug/L #	81
12) 1,1-Dichloroethene	2.581	96	3552	2.70	ug/L #	1
13) Acetone	2.649	43	6252	4.34	ug/L	94
14) Carbon disulfide	2.800	76	8600	2.17	ug/L	95
15) Methyl Acetate	2.960	43	4943	2.23	ug/L #	87
16) Methylene chloride	3.057	84	3778	2.54	ug/L	93
17) trans-1,2-Dichloroethene	3.366	96	2950	2.15	ug/L	89
18) Methyl tert-butyl Ether	3.375	73	10725	2.18	ug/L #	87
19) 1,1-Dichloroethane	3.880	63	6193	2.18	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	3460	2.25	ug/L	82
22) 2-Butanone	4.722	43	6998	3.75	ug/L	77
23) Bromochloromethane	4.989	128	1646	2.01	ug/L	86
25) Chloroform	5.095	83	6677	2.32	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	6109	2.40	ug/L	100
29) Cyclohexane	5.398	56	5410	2.10	ug/L #	93
30) 1,1,1-Trichloroethane	5.327	97	5797	2.19	ug/L	98
31) Carbon tetrachloride	5.533	117	4517	1.99	ug/L	97
33) Benzene	5.783	78	13432	2.28	ug/L	100
34) Trichloroethene	6.552	95	3285	2.12	ug/L	92
35) Methylcyclohexane	6.771	83	4767	2.00	ug/L	99
37) 1,2-Dichloropropane	6.800	63	3633	2.20	ug/L #	89
38) Bromodichloromethane	7.118	83	4432	2.00	ug/L #	89
39) cis-1,3-Dichloropropene	7.616	75	5870	2.28	ug/L	96
40) 4-Methyl-2-pentanone	7.803	43	13100	4.01	ug/L	98
42) Toluene	7.976	91	13321	2.11	ug/L	93
44) trans-1,3-Dichloropropene	8.217	75	5226	2.06	ug/L	95
45) 1,1,2-Trichloroethane	8.410	97	3179	2.10	ug/L	86
46) Tetrachloroethene	8.558	164	2701	2.21	ug/L	93
48) 2-Hexanone	8.697	43	13389	5.07	ug/L #	95
49) Dibromochloromethane	8.816	129	3531	2.00	ug/L	99
50) 1,2-Dibromoethane	8.931	107	3539	2.08	ug/L #	96
51) Chlorobenzene	9.459	112	8183	2.04	ug/L	96
52) Ethylbenzene	9.578	91	15159	2.16	ug/L	99
53) m,p-Xylene	9.703	106	5486	2.10	ug/L	92
54) o-xylene	10.108	106	5356	2.06	ug/L	99
55) Styrene	10.121	104	8484	1.91	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	5854	2.12	ug/L	96
59) Bromoform	10.298	173	2702	1.95	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	4882	2.25	ug/L	95
61) Isopropylbenzene	10.491	105	14030	2.14	ug/L	100
62) 1,3,5-Trimethylbenzene	11.095	105	12025	2.12	ug/L	97
63) 1,2,4-Trimethylbenzene	11.478	105	11761	2.06	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	6704	2.17	ug/L	96
65) 1,4-Dichlorobenzene	11.844	146	6957	2.21	ug/L	96
67) 1,2-Dichlorobenzene	12.221	146	7189	2.26	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.005	75	1444	2.00	ug/L	87
69) 1,3,5-Trichlorobenzene	13.227	180	5057	2.12	ug/L	97
70) 1,2,4-trichlorobenzene	13.847	180	3798	1.90	ug/L	97
71) Naphthalene	14.098	128	9528	1.51	ug/L	98
72) 1,2,3-Trichlorobenzene	14.339	180	3970	1.95	ug/L	87

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

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