

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021722\
 Data File : VU047202.D
 Acq On : 17 Feb 2022 13:36
 Operator : SY/MD
 Sample : N1331-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Feb 18 00:56:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	343019	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	347470	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	190497	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	120444	38.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.320%
7) Chloroethane-d5	1.919	69	111192	48.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.300%
11) 1,1-Dichloroethene-d2	2.571	63	158292	30.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.320%
21) 2-Butanone-d5	4.629	46	253151	104.777	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.780%
24) Chloroform-d	5.067	84	228980	45.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.560%
26) 1,2-Dichloroethane-d4	5.706	65	153945	47.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.840%
32) Benzene-d6	5.729	84	468236	40.533	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.060%
36) 1,2-Dichloropropane-d6	6.693	67	155605	41.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.080%
41) Toluene-d8	7.899	98	448071	40.738	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.480%
43) trans-1,3-Dichloroprop...	8.182	79	77562	39.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.020%
47) 2-Hexanone-d5	8.632	63	182178	84.885	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.880%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	239741	43.889	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	190869	42.247	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	7141	2.234	ug/L	96
3) Chloromethane	1.526	50	7613	2.407	ug/L	96
5) Vinyl chloride	1.607	62	7522	2.360	ug/L #	77
6) Bromomethane	1.864	94	4592	2.477	ug/L	96
8) Chloroethane	1.938	64	4728	2.573	ug/L	99
9) Trichlorofluoromethane	2.144	101	9186	2.489	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6669	2.933	ug/L #	88
12) 1,1-Dichloroethene	2.584	96	6142	2.754	ug/L #	1
13) Acetone	2.649	43	8867	5.038	ug/L	99
14) Carbon disulfide	2.800	76	15050	2.150	ug/L	98
15) Methyl Acetate	2.957	43	7293	2.462	ug/L	94
16) Methylene chloride	3.054	84	6900	2.795	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	5365	2.289	ug/L	94
18) Methyl tert-butyl Ether	3.369	73	17966	2.267	ug/L #	94
19) 1,1-Dichloroethane	3.877	63	9939	2.258	ug/L	97
20) cis-1,2-Dichloroethene	4.677	96	6442	2.485	ug/L	96
22) 2-Butanone	4.716	43	11290	4.781	ug/L	97
23) Bromochloromethane	4.976	128	3247	2.362	ug/L	94
27) 1,2-Dichloroethane	5.796	62	8710	2.543	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.394	56	8985	1.973	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	8789	2.112	ug/L	97
31) Carbon tetrachloride	5.526	117	7632	2.115	ug/L	100
33) Benzene	5.777	78	23828	2.199	ug/L	100
35) Methylcyclohexane	6.767	83	9356	1.981	ug/L	93
37) 1,2-Dichloropropane	6.796	63	6521	2.246	ug/L #	90
38) Bromodichloromethane	7.105	83	8300	2.243	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	10039	2.128	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	19664	4.277	ug/L #	92
42) Toluene	7.973	91	33186	2.788	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	9777	2.157	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	6265	2.291	ug/L	97
46) Tetrachloroethene	8.555	164	5156	2.277	ug/L	89
48) 2-Hexanone	8.690	43	34952	9.194	ug/L #	93
49) Dibromochloromethane	8.812	129	6479	2.048	ug/L	98
50) 1,2-Dibromoethane	8.925	107	6741	2.219	ug/L #	95
51) Chlorobenzene	9.449	112	16901	2.214	ug/L	94
52) Ethylbenzene	9.574	91	28980	2.224	ug/L	97
53) m,p-Xylene	9.697	106	11350	2.196	ug/L	90
54) o-xylene	10.102	106	11003	2.162	ug/L	91
55) Styrene	10.118	104	17688	2.020	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	11958	2.481	ug/L #	89
59) Bromoform	10.295	173	4815	1.862	ug/L	92
60) 1,2,3-Trichloropropane	10.825	75	8882	2.187	ug/L	94
61) Isopropylbenzene	10.488	105	27621	2.063	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	19090	2.011	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	23677	2.055	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	13630	2.181	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	14151	2.253	ug/L	95
67) 1,2-Dichlorobenzene	12.214	146	13914	2.238	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.999	75	2558	1.977	ug/L	85
69) 1,3,5-Trichlorobenzene	13.221	180	10371	2.146	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	10184	2.223	ug/L	98
71) Naphthalene	14.089	128	35655	2.199	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	10669	2.339	ug/L	95

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

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