

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082922\
 Data File : VU050478.D
 Acq On : 29 Aug 2022 12:39
 Operator : SY/MD
 Sample : N4015-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Aug 30 03:50:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 30 02:11:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	330709	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	323217	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123570	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	154818	39.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.180%
7) Chloroethane-d5	1.899	69	130300	45.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.060%
11) 1,1-Dichloroethene-d2	2.562	63	191187	34.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.200%
21) 2-Butanone-d5	4.626	46	237186	92.668	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.670%
24) Chloroform-d	5.063	84	276919	44.115	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
26) 1,2-Dichloroethane-d4	5.703	65	177851	45.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.180%
32) Benzene-d6	5.726	84	555998	46.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
36) 1,2-Dichloropropane-d6	6.690	67	186672	47.182	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.360%
41) Toluene-d8	7.899	98	455699	43.607	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.220%
43) trans-1,3-Dichloroprop...	8.179	79	70515	42.727	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.460%
47) 2-Hexanone-d5	8.635	63	125050	85.170	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.170%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	278064	45.567	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.140%
66) 1,2-Dichlorobenzene-d4	12.195	152	149335	50.591	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4461	1.726	ug/L	99
3) Chloromethane	1.517	50	6879	2.286	ug/L	95
5) Vinyl chloride	1.604	62	6210	2.111	ug/L #	68
6) Bromomethane	1.838	94	2461	2.262	ug/L	86
8) Chloroethane	1.922	64	4645	2.599	ug/L	92
9) Trichlorofluoromethane	2.131	101	7765	2.075	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	6493	2.829	ug/L #	78
12) 1,1-Dichloroethene	2.575	96	5342	2.633	ug/L #	1
13) Acetone	2.629	43	6687	3.974	ug/L	99
14) Carbon disulfide	2.790	76	8896	1.718	ug/L #	94
15) Methyl Acetate	2.957	43	6575	2.172	ug/L	90
16) Methylene chloride	3.044	84	7416	2.623	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	4097	1.921	ug/L	91
18) Methyl tert-butyl Ether	3.366	73	13753	2.038	ug/L	96
19) 1,1-Dichloroethane	3.870	63	9447	2.045	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	5005	1.960	ug/L	97
22) 2-Butanone	4.716	43	10362	4.543	ug/L #	71
23) Bromochloromethane	4.976	128	3137	2.249	ug/L	95
25) Chloroform	5.086	83	13132	2.668	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	8161	2.223	ug/L	99
29) Cyclohexane	5.385	56	5313	1.787	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	8055	2.178	ug/L	98
31) Carbon tetrachloride	5.523	117	6177	2.035	ug/L	98
33) Benzene	5.774	78	21516	2.199	ug/L	100
34) Trichloroethene	6.542	95	4927	2.127	ug/L	95
35) Methylcyclohexane	6.761	83	5677	1.753	ug/L	96
37) 1,2-Dichloropropane	6.790	63	6332	2.228	ug/L #	93
38) Bromodichloromethane	7.108	83	7693	2.121	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	7430	1.990	ug/L	94
40) 4-Methyl-2-pentanone	7.793	43	14797	3.917	ug/L	97
42) Toluene	7.973	91	20477	2.077	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	7412	2.130	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	6117	2.187	ug/L	96
46) Tetrachloroethene	8.552	164	3410	2.004	ug/L	88
48) 2-Hexanone	8.687	43	33021	10.468	ug/L #	88
49) Dibromochloromethane	8.809	129	6082	2.099	ug/L	92
50) 1,2-Dibromoethane	8.925	107	5965	2.134	ug/L #	99
51) Chlorobenzene	9.449	112	14312	2.212	ug/L	96
52) Ethylbenzene	9.571	91	18278	1.839	ug/L	98
53) m,p-Xylene	9.697	106	6273	1.690	ug/L	93
54) o-Xylene	10.098	106	6510	1.766	ug/L	78
55) Styrene	10.118	104	9393	1.497	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	11366	2.224	ug/L #	96
59) Bromoform	10.291	173	4113	2.324	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	8295	2.605	ug/L	98
61) Isopropylbenzene	10.487	105	13949	1.825	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	11042	1.789	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	9971	1.657	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	7414	1.984	ug/L	91
65) 1,4-Dichlorobenzene	11.838	146	8117	2.157	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	9736	2.477	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.992	75	2059	2.433	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.224	180	5340	2.073	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	4060	1.968	ug/L	97
71) Naphthalene	14.089	128	12085	1.786	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	4348	1.928	ug/L	94

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

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