

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052949.D
 Acq On : 03 Feb 2023 16:53
 Operator : JC/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 04 00:43:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

02/06/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	199103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	199513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	103829	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	56158	39.188	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.380%
7) Chloroethane-d5	1.909	69	56866	48.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.320%
11) 1,1-Dichloroethene-d2	2.562	63	94697	33.224	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.440%
21) 2-Butanone-d5	4.623	46	76390	86.290	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.290%
24) Chloroform-d	5.057	84	150088	49.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
26) 1,2-Dichloroethane-d4	5.693	65	101456	51.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.900%
32) Benzene-d6	5.722	84	274539	45.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.080%
36) 1,2-Dichloropropane-d6	6.684	67	84853	47.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.920%
41) Toluene-d8	7.893	98	243367	43.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.700%
43) trans-1,3-Dichloroprop...	8.176	79	41447	46.257	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.520%
47) 2-Hexanone-d5	8.639	63	52180	83.070	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.070%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	121218	45.893	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	103018	51.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	4074	2.185	ug/L	94
3) Chloromethane	1.520	50	3966	2.579	ug/L	100
5) Vinyl chloride	1.604	62	4262	2.505	ug/L #	76
6) Bromomethane	1.858	94	2913	2.715	ug/L	92
8) Chloroethane	1.928	64	3175	2.972	ug/L	96
9) Trichlorofluoromethane	2.131	101	7315	2.567	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	4581	2.852	ug/L	86
12) 1,1-Dichloroethene	2.575	96	4254	2.888	ug/L #	1
13) Acetone	2.636	43	4687	4.335	ug/L	94
14) Carbon disulfide	2.790	76	9474	2.130	ug/L	100
15) Methyl Acetate	2.951	43	2727	1.872	ug/L #	74
17) trans-1,2-Dichloroethene	3.353	96	3655	2.296	ug/L	85
18) Methyl tert-butyl Ether	3.359	73	10515	2.247	ug/L #	75
19) 1,1-Dichloroethane	3.864	63	6410m	2.296	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	3426m	2.016	ug/L	
22) 2-Butanone	4.716	43	4651m	4.024	ug/L	
23) Bromochloromethane	4.973	128	2036	2.133	ug/L	88
25) Chloroform	5.079	83	8982	2.866	ug/L	89
27) 1,2-Dichloroethane	5.793	62	6685	2.695	ug/L #	94

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29) Cyclohexane	5.382	56	4585	1.939	ug/L	#	88
30) 1,1,1-Trichloroethane	5.311	97	7139	2.433	ug/L		90
31) Carbon tetrachloride	5.517	117	5694	2.238	ug/L		100
33) Benzene	5.771	78	16775	2.470	ug/L		100
34) Trichloroethene	6.539	95	4334	2.511	ug/L		93
35) Methylcyclohexane	6.758	83	5510	2.017	ug/L		95
37) 1,2-Dichloropropane	6.790	63	3977	2.382	ug/L	#	85
38) Bromodichloromethane	7.102	83	5426	2.214	ug/L		90
39) cis-1,3-Dichloropropene	7.607	75	5895	2.254	ug/L		93
40) 4-Methyl-2-pentanone	7.790	43	7277	3.699	ug/L		97
42) Toluene	7.967	91	15814	2.272	ug/L		92
44) trans-1,3-Dichloropropene	8.205	75	5933	2.308	ug/L		98
45) 1,1,2-Trichloroethane	8.398	97	4174	2.445	ug/L		91
46) Tetrachloroethene	8.549	164	3521	2.369	ug/L		88
49) Dibromochloromethane	8.806	129	4858	2.379	ug/L		83
50) 1,2-Dibromoethane	8.918	107	4091	2.226	ug/L	#	89
51) Chlorobenzene	9.443	112	11513	2.404	ug/L		98
52) Ethylbenzene	9.568	91	14871	1.999	ug/L		98
53) m,p-Xylene	9.693	106	5943	1.974	ug/L		99
54) o-xylene	10.098	106	5770	2.007	ug/L		87
55) Styrene	10.111	104	8422	1.707	ug/L		93
57) 1,1,2,2-Tetrachloroethane	10.780	83	6539	2.366	ug/L		95
59) Bromoform	10.288	173	3482	2.447	ug/L	#	93
60) 1,2,3-Trichloropropane	10.819	75	4842	2.404	ug/L		99
61) Isopropylbenzene	10.481	105	13387	1.996	ug/L		99
62) 1,3,5-Trimethylbenzene	11.082	105	10950	1.961	ug/L		96
63) 1,2,4-Trimethylbenzene	11.465	105	10142	1.877	ug/L		97
64) 1,3-Dichlorobenzene	11.741	146	7182	2.123	ug/L		95
65) 1,4-Dichlorobenzene	11.835	146	9144	2.611	ug/L		92
67) 1,2-Dichlorobenzene	12.208	146	10900	3.185	ug/L		99
68) 1,2-Dibromo-3-chloropr...	12.995	75	1130	1.957	ug/L		91
69) 1,3,5-Trichlorobenzene	13.217	180	5610	2.240	ug/L		99
70) 1,2,4-trichlorobenzene	13.838	180	4942	2.353	ug/L		96
71) Naphthalene	14.082	128	11160	1.849	ug/L		98
72) 1,2,3-Trichlorobenzene	14.323	180	4683	2.110	ug/L		96

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

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