

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053596.D
 Acq On : 07 Apr 2023 12:18
 Operator : JC/MD
 Sample : 02215-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 08 00:01:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

04/11/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	251847	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233624	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120758	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	95512	48.705	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.400%
7) Chloroethane-d5	1.909	69	78225	51.736	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.480%
11) 1,1-Dichloroethene-d2	2.565	63	112025	36.904	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.800%
21) 2-Butanone-d5	4.613	46	107775	121.386	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.390%
24) Chloroform-d	5.057	84	153782	47.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.840%
26) 1,2-Dichloroethane-d4	5.697	65	99261	51.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.600%
32) Benzene-d6	5.722	84	323703	51.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.660%
36) 1,2-Dichloropropane-d6	6.684	67	98821	51.269	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.540%
41) Toluene-d8	7.893	98	296121	47.245	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.500%
43) trans-1,3-Dichloroprop...	8.176	79	48603	48.849	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.700%
47) 2-Hexanone-d5	8.626	63	78110	118.738	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143372	52.774	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.540%
66) 1,2-Dichlorobenzene-d4	12.188	152	116764	46.323	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.640%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.382	85	5241	2.564	ug/L 97
3) Chloromethane	1.520	50	5389	3.208	ug/L 97
5) Vinyl chloride	1.604	62	6552	3.366	ug/L # 64
6) Bromomethane	1.854	94	3890	2.746	ug/L 97
8) Chloroethane	1.932	64	3913	3.342	ug/L 99
9) Trichlorofluoromethane	2.137	101	8516	2.844	ug/L 97
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	5494	3.168	ug/L # 62
12) 1,1-Dichloroethene	2.578	96	5375	3.478	ug/L # 1
13) Acetone	2.620	43	5238	6.564	ug/L 97
14) Carbon disulfide	2.790	76	11297	2.764	ug/L 95
15) Methyl Acetate	2.948	43	3780	3.093	ug/L # 75
17) trans-1,2-Dichloroethene	3.353	96	4054	2.610	ug/L 95
18) Methyl tert-butyl Ether	3.359	73	13509	2.984	ug/L # 75
19) 1,1-Dichloroethane	3.867	63	7585	2.948	ug/L 98
20) cis-1,2-Dichloroethene	4.658	96	5310	2.960	ug/L 98
22) 2-Butanone	4.706	43	5828	6.029	ug/L 98
23) Bromochloromethane	4.973	128	2416m	2.418	ug/L
25) Chloroform	5.083	83	10523	3.566	ug/L 98
27) 1,2-Dichloroethane	5.790	62	6960	3.221	ug/L 97

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

29) Cyclohexane	5.382	56	6116	2.719	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	7556	2.935	ug/L #	89
31) Carbon tetrachloride	5.523	117	5722	2.481	ug/L	95
33) Benzene	5.767	78	17911	2.943	ug/L	100
34) Trichloroethene	6.539	95	5108	2.775	ug/L	87
35) Methylcyclohexane	6.758	83	7632	2.820	ug/L	91
37) 1,2-Dichloropropane	6.790	63	4929	3.189	ug/L #	91
38) Bromodichloromethane	7.105	83	6355	3.082	ug/L #	97
39) cis-1,3-Dichloropropene	7.603	75	7508	2.973	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	11046	6.577	ug/L	97
42) Toluene	7.970	91	19659	2.850	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	7661	3.209	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	5140	3.029	ug/L	92
46) Tetrachloroethene	8.549	164	3628	2.375	ug/L	90
48) 2-Hexanone	8.680	43	11891	8.752	ug/L	97
49) Dibromochloromethane	8.806	129	4374	2.479	ug/L	88
50) 1,2-Dibromoethane	8.922	107	5275	2.779	ug/L	95
51) Chlorobenzene	9.442	112	12916	2.718	ug/L	92
52) Ethylbenzene	9.568	91	21737	2.831	ug/L	100
53) m,p-Xylene	9.690	106	7398	2.463	ug/L	91
54) o-Xylene	10.098	106	7602	2.560	ug/L	97
55) Styrene	10.111	104	12099	2.502	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	8141	3.268	ug/L	93
59) Bromoform	10.288	173	3057	2.473	ug/L #	95
60) 1,2,3-Trichloropropane	10.822	75	6170	3.524	ug/L	98
61) Isopropylbenzene	10.481	105	19910	2.789	ug/L	96
62) 1,3,5-Trimethylbenzene	11.082	105	15420	2.598	ug/L	93
63) 1,2,4-Trimethylbenzene	11.465	105	15104	2.569	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	10314	2.765	ug/L	100
65) 1,4-Dichlorobenzene	11.831	146	11206	2.947	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	10830	2.913	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.992	75	1239	2.654	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	6690	2.422	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	6976	2.724	ug/L	96
71) Naphthalene	14.089	128	21382	2.789	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	6321	2.471	ug/L	98

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

