

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
 Data File : VU049690.D
 Acq On : 12 Jul 2022 13:18
 Operator : SY/MD
 Sample : N3670-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Jul 13 08:15:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

07/13/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	193800	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	179172	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	81879	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	76506	46.788	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.580%
7) Chloroethane-d5	1.906	69	59989	50.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.500%
11) 1,1-Dichloroethene-d2	2.565	63	104492	36.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.360%
21) 2-Butanone-d5	4.620	46	172060	123.261	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.260%
24) Chloroform-d	5.063	84	150072	51.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.640%
26) 1,2-Dichloroethane-d4	5.700	65	107685	54.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.880%
32) Benzene-d6	5.726	84	290987	53.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.920%
36) 1,2-Dichloropropane-d6	6.690	67	103227	56.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.760%
41) Toluene-d8	7.896	98	243562	51.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.760%
43) trans-1,3-Dichloroprop...	8.179	79	40291	52.232	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.460%
47) 2-Hexanone-d5	8.632	63	96503	117.177	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142932	55.794	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.580%
66) 1,2-Dichlorobenzene-d4	12.192	152	84054	54.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	5602	2.411	ug/L	95
3) Chloromethane	1.523	50	8996	3.528	ug/L	94
5) Vinyl chloride	1.604	62	5976	2.594	ug/L #	76
6) Bromomethane	1.845	94	3233	3.037	ug/L	100
8) Chloroethane	1.925	64	3449	2.702	ug/L	94
9) Trichlorofluoromethane	2.134	101	6915	2.430	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	3991	2.673	ug/L #	72
12) 1,1-Dichloroethene	2.575	96	4118	2.972	ug/L #	1
13) Acetone	2.629	43	6469	4.876	ug/L	99
14) Carbon disulfide	2.790	76	10842	2.320	ug/L	99
15) Methyl Acetate	2.951	43	6416	2.977	ug/L	91
16) Methylene chloride	3.041	84	5507	3.156	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	3734	2.463	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	13392	2.579	ug/L #	94
19) 1,1-Dichloroethane	3.867	63	8489	2.690	ug/L	90
20) cis-1,2-Dichloroethene	4.665	96	4520	2.653	ug/L	95
22) 2-Butanone	4.713	43	10101	5.687	ug/L	79
23) Bromochloromethane	4.980	128	2176	2.560	ug/L	96
25) Chloroform	5.083	83	8501	2.686	ug/L	92

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27) 1,2-Dichloroethane	5.796	62	7767	2.883	ug/L	97
29) Cyclohexane	5.391	56	6228	2.227	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	6730	2.595	ug/L	98
31) Carbon tetrachloride	5.520	117	4924	2.321	ug/L	99
33) Benzene	5.774	78	18181	2.700	ug/L	100
34) Trichloroethene	6.546	95	4038	2.480	ug/L	90
35) Methylcyclohexane	6.761	83	5810	2.271	ug/L #	84
37) 1,2-Dichloropropane	6.790	63	4964	2.659	ug/L #	95
38) Bromodichloromethane	7.108	83	5854	2.529	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	5957	2.366	ug/L	93
40) 4-Methyl-2-pentanone	7.793	43	17274	5.716	ug/L	96
42) Toluene	7.970	91	16078	2.402	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	7616m	3.222	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	4647	2.852	ug/L	92
46) Tetrachloroethene	8.555	164	2889	2.559	ug/L	89
48) 2-Hexanone	8.684	43	21392	8.858	ug/L	98
49) Dibromochloromethane	8.809	129	4495	2.743	ug/L	90
50) 1,2-Dibromoethane	8.925	107	4411	2.725	ug/L #	98
51) Chlorobenzene	9.449	112	10475	2.584	ug/L	91
52) Ethylbenzene	9.571	91	16354	2.315	ug/L	94
53) m,p-Xylene	9.693	106	5910	2.301	ug/L	94
54) o-Xylene	10.099	106	5988	2.315	ug/L	97
55) Styrene	10.115	104	9110	2.135	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	8429	2.890	ug/L #	95
59) Bromoform	10.288	173	2771	2.523	ug/L #	90
60) 1,2,3-Trichloropropane	10.822	75	6856	3.144	ug/L	96
61) Isopropylbenzene	10.484	105	14960	2.447	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	11589	2.247	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	10687	2.086	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	7073	2.650	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	6963	2.597	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	7660	2.760	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	1733	2.712	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	5186	2.773	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	4059	2.365	ug/L	95
71) Naphthalene	14.089	128	13801	2.249	ug/L	96
72) 1,2,3-Trichlorobenzene	14.333	180	4410	2.481	ug/L	99

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

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