

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055720.D
 Acq On : 10 Oct 2023 14:46
 Operator : MD/SY
 Sample : 04696-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 11 06:05:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 10/11/2023

Supervised By :Mahesh
 Dadoda
 10/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	374670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	387107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	193163	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.599	65	156274	46.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.000%
7) Chloroethane-d5	1.882	69	135809	49.438	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.880%
11) 1,1-Dichloroethene-d2	2.557	63	217375	36.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.560%
21) 2-Butanone-d5	4.615	46	254093	102.038	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.040%
24) Chloroform-d	5.055	84	295738	45.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	197403	49.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.721	84	593220	47.896	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.685	67	188887	48.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.340%
41) Toluene-d8	7.894	98	517247	46.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
43) trans-1,3-Dichloroprop...	8.174	79	87817	46.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
47) 2-Hexanone-d5	8.634	63	179604	116.515	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	326010	54.016	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	206317	53.824	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	7627	2.445	ug/L	98
3) Chloromethane	1.518	50	8115	2.749	ug/L	92
5) Vinyl chloride	1.602	62	8802	2.709	ug/L #	75
6) Bromomethane	1.830	94	4335	2.087	ug/L	99
8) Chloroethane	1.904	64	5947	2.791	ug/L	97
9) Trichlorofluoromethane	2.120	101	11650	2.510	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	8358	2.800	ug/L	89
12) 1,1-Dichloroethene	2.570	96	7945	2.991	ug/L #	1
13) Acetone	2.625	43	11563	5.004	ug/L	98
14) Carbon disulfide	2.782	76	20389	2.522	ug/L	100
15) Methyl Acetate	2.946	43	9907	2.799	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	6874	2.531	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	21502	2.462	ug/L	98
19) 1,1-Dichloroethane	3.859	63	13681	2.456	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	8318	2.683	ug/L	99
22) 2-Butanone	4.705	43	16162m	5.803	ug/L	
23) Bromochloromethane	4.968	128	3921	2.442	ug/L	97
25) Chloroform	5.084	83	16263	2.795	ug/L	97
27) 1,2-Dichloroethane	5.792	62	12859	2.763	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	9935	2.239	ug/L	98
30) 1,1,1-Trichloroethane	5.316	97	12567	2.513	ug/L	94
31) Carbon tetrachloride	5.521	117	11332	2.589	ug/L	98
33) Benzene	5.772	78	29487	2.410	ug/L	100
34) Trichloroethene	6.538	95	8514	2.543	ug/L	96
35) Methylcyclohexane	6.759	83	11358	2.338	ug/L	97
37) 1,2-Dichloropropane	6.792	63	7837	2.326	ug/L #	91
38) Bromodichloromethane	7.103	83	10730	2.415	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	12208	2.381	ug/L	95
40) 4-Methyl-2-pentanone	7.795	43	24847	5.300	ug/L	98
42) Toluene	7.968	91	32042	2.482	ug/L	97
44) trans-1,3-Dichloropropene	8.210	75	12768m	2.603	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	8508	2.561	ug/L	97
46) Tetrachloroethene	8.550	164	5413	2.258	ug/L	98
48) 2-Hexanone	8.685	43	46724	11.800	ug/L #	92
49) Dibromochloromethane	8.808	129	8432	2.484	ug/L	92
50) 1,2-Dibromoethane	8.920	107	9277	2.600	ug/L #	86
51) Chlorobenzene	9.444	112	19826	2.373	ug/L	92
52) Ethylbenzene	9.570	91	32888	2.330	ug/L	98
53) m,p-Xylene	9.695	106	12093	2.287	ug/L	88
54) o-Xylene	10.100	106	11622	2.271	ug/L	95
55) Styrene	10.116	104	18246	2.105	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.782	83	18369	3.229	ug/L #	98
59) Bromoform	10.290	173	6246	2.627	ug/L #	94
60) 1,2,3-Trichloropropane	10.820	75	13611	3.247	ug/L	99
61) Isopropylbenzene	10.483	105	28028	2.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	22712	2.331	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	21247	2.205	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	15979	2.684	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	16585	2.710	ug/L	89
67) 1,2-Dichlorobenzene	12.213	146	16845	2.851	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	13.000	75	3133	2.500	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.222	180	10144	2.555	ug/L	93
70) 1,2,4-trichlorobenzene	13.843	180	8746	2.644	ug/L	96
71) Naphthalene	14.090	128	29155	2.968	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	8964	2.749	ug/L	93

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

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