

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030074.D
 Acq On : 20 Feb 2023 13:27
 Operator : SY/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 20 23:08:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/21/2023
 Supervised By :Mahesh Dadoda 02/21/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	425778	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	409028	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	239092	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	98566	32.560	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.120%		
7) Chloroethane-d5	1.536	69	90301	38.985	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.960%		
11) 1,1-Dichloroethene-d2	2.066	63	149654	25.842	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	51.680%#		
21) 2-Butanone-d5	3.793	46	176717	93.543	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.540%		
24) Chloroform-d	4.259	84	229420	40.773	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.540%		
26) 1,2-Dichloroethane-d4	4.950	65	141185	42.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.900%		
32) Benzene-d6	4.970	84	435847	40.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.240%		
36) 1,2-Dichloropropane-d6	5.998	67	151154	43.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.520%		
41) Toluene-d8	7.252	98	405407	39.544	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.080%#		
43) trans-1,3-Dichloroprop...	7.558	79	70357	40.985	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.980%		
47) 2-Hexanone-d5	8.031	63	149987	93.138	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.140%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	237141	45.768	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.540%		
66) 1,2-Dichlorobenzene-d4	11.571	152	190748	44.795	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	12321	2.734	ug/L	98
3) Chloromethane	1.217	50	22776	3.938	ug/L	99
5) Vinyl chloride	1.285	62	11797	2.929	ug/L	86
6) Bromomethane	1.491	94	2577	3.520	ug/L	86
8) Chloroethane	1.552	64	6898	2.936	ug/L	100
9) Trichlorofluoromethane	1.719	101	14642	2.743	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	10356	3.170	ug/L	89
12) 1,1-Dichloroethene	2.076	96	9130	3.106	ug/L #	1
13) Acetone	2.121	43	9336	6.439	ug/L	99
14) Carbon disulfide	2.246	76	22125	2.546	ug/L	97
15) Methyl Acetate	2.384	43	7590	2.517	ug/L	96
16) Methylene chloride	2.455	84	10007	3.110	ug/L	95
17) trans-1,2-Dichloroethene	2.703	96	7838	2.609	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	24887	2.603	ug/L	98
19) 1,1-Dichloroethane	3.121	63	15110	2.729	ug/L	99
20) cis-1,2-Dichloroethene	3.831	96	8791	2.646	ug/L	100
22) 2-Butanone	3.896	43	11234m	5.522	ug/L	
23) Bromochloromethane	4.166	128	4640	2.619	ug/L	91
25) Chloroform	4.288	83	16364	2.899	ug/L	93

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27) 1,2-Dichloroethane	5.056	62	11100	2.633	ug/L	97
29) Cyclohexane	4.597	56	12261	2.572	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	13415	2.640	ug/L	98
31) Carbon tetrachloride	4.744	117	11237	2.519	ug/L	97
33) Benzene	5.024	78	31484	2.609	ug/L	100
34) Trichloroethene	5.844	95	8800	2.679	ug/L	97
35) Methylcyclohexane	6.060	83	14787	2.836	ug/L	93
37) 1,2-Dichloropropane	6.108	63	9169	2.885	ug/L	98
38) Bromodichloromethane	6.445	83	11426	2.677	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	13960	2.613	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	19018	4.813	ug/L	98
42) Toluene	7.326	91	35823	2.713	ug/L	98
44) trans-1,3-Dichloropropene	7.593	75	12791m	2.633	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	8892	2.696	ug/L	98
46) Tetrachloroethene	7.915	164	7406	2.682	ug/L	93
48) 2-Hexanone	8.088	43	18182m	5.971	ug/L	
49) Dibromochloromethane	8.188	129	8627	2.523	ug/L	97
50) 1,2-Dibromoethane	8.294	107	9448	2.611	ug/L	93
51) Chlorobenzene	8.825	112	23741	2.698	ug/L	97
52) Ethylbenzene	8.957	91	37862	2.590	ug/L	97
53) m,p-Xylene	9.082	106	13263	2.374	ug/L	98
54) o-Xylene	9.487	106	12739	2.366	ug/L	99
55) Styrene	9.506	104	22036	2.396	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	14858	2.756	ug/L	99
59) Bromoform	9.677	173	6630	2.800	ug/L	96
60) Isopropylbenzene	9.876	105	36270	2.551	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	10679	2.700	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	28284	2.402	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	27694	2.393	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	19040	2.657	ug/L	95
65) 1,4-Dichlorobenzene	11.220	146	19982	2.726	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	19783	2.773	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	2958	2.563	ug/L	95
69) 1,3,5-Trichlorobenzene	12.593	180	15245	2.666	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	13907	2.588	ug/L	99
71) Naphthalene	13.448	128	35818	2.298	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	13498	2.559	ug/L	98

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

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