

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030778.D
 Acq On : 21 Apr 2023 21:04
 Operator : SY/MD
 Sample : 02215-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Apr 22 02:47:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	229763	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	221481	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	112525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	67982	40.361	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.720%		
7) Chloroethane-d5	1.539	69	61228	43.379	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.760%		
11) 1,1-Dichloroethene-d2	2.066	65	34088	42.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.360%		
21) 2-Butanone-d5	3.805	46	88845	96.034	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.030%		
24) Chloroform-d	4.262	84	132676	43.466	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.940%		
26) 1,2-Dichloroethane-d4	4.953	65	95517	48.672	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.340%		
32) Benzene-d6	4.969	84	242787	46.365	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
36) 1,2-Dichloropropane-d6	5.998	67	74480	45.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.580%		
41) Toluene-d8	7.252	98	216135	43.961	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.920%		
43) trans-1,3-Dichloroprop...	7.561	79	35668	43.507	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.020%		
47) 2-Hexanone-d5	8.034	63	57493	89.725	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.720%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	107095	45.375	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.740%		
66) 1,2-Dichlorobenzene-d4	11.567	152	87778	49.078	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4626	2.342	ug/L	99
3) Chloromethane	1.220	50	7088	2.735	ug/L	95
5) Vinyl chloride	1.288	62	5555	2.659	ug/L #	76
6) Bromomethane	1.494	94	2631	3.176	ug/L	98
8) Chloroethane	1.555	64	3128	2.183	ug/L	87
9) Trichlorofluoromethane	1.719	101	8757	2.586	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5246	2.948	ug/L	87
12) 1,1-Dichloroethene	2.076	96	4570	2.841	ug/L #	1
13) Acetone	2.130	43	6391m	4.464	ug/L	
14) Carbon disulfide	2.249	76	9786	2.154	ug/L #	95
15) Methyl Acetate	2.391	43	4029	2.109	ug/L #	83
16) Methylene chloride	2.455	84	5283	2.870	ug/L	87
17) trans-1,2-Dichloroethene	2.706	96	3888	2.394	ug/L	94
18) Methyl tert-butyl Ether	2.715	73	12747	2.450	ug/L	96
19) 1,1-Dichloroethane	3.124	63	8408	2.539	ug/L	89
20) cis-1,2-Dichloroethene	3.825	96	4545m	2.573	ug/L	
22) 2-Butanone	3.915	43	7704m	5.208	ug/L	
23) Bromochloromethane	4.162	128	2823m	2.861	ug/L	
25) Chloroform	4.288	83	9308m	2.716	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.066	62	7054	2.431	ug/L #	94
29) Cyclohexane	4.600	56	5942	2.236	ug/L #	58
30) 1,1,1-Trichloroethane	4.529	97	7778	2.499	ug/L #	92
31) Carbon tetrachloride	4.751	117	6584	2.366	ug/L	94
33) Benzene	5.024	78	17120	2.545	ug/L	100
34) Trichloroethene	5.850	95	4693	2.683	ug/L	97
35) Methylcyclohexane	6.059	83	6648m	2.425	ug/L	
37) 1,2-Dichloropropane	6.104	63	4729m	2.612	ug/L	
38) Bromodichloromethane	6.445	83	6278	2.469	ug/L #	95
39) cis-1,3-Dichloropropene	6.969	75	6550m	2.411	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	10864	4.296	ug/L	98
42) Toluene	7.329	91	16946	2.352	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	7064	2.646	ug/L	88
45) 1,1,2-Trichloroethane	7.783	97	4804	2.647	ug/L	93
46) Tetrachloroethene	7.918	164	3649	2.383	ug/L	90
48) 2-Hexanone	8.091	43	16079m	7.706	ug/L	
49) Dibromochloromethane	8.185	129	4912	2.453	ug/L	96
50) 1,2-Dibromoethane	8.294	107	4396	2.337	ug/L	95
51) Chlorobenzene	8.825	112	12949	2.714	ug/L	94
52) Ethylbenzene	8.956	91	17356	2.176	ug/L	99
53) m,p-Xylene	9.085	106	6449	2.141	ug/L	99
54) o-Xylene	9.490	106	6370	2.162	ug/L	94
55) Styrene	9.509	104	10565m	2.041	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.185	83	7578	2.543	ug/L #	98
59) Bromoform	9.673	173	4191	2.975	ug/L	100
60) Isopropylbenzene	9.876	105	16534	2.356	ug/L	96
61) 1,2,3-Trichloropropane	10.217	75	5926	2.940	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	13415	2.322	ug/L	97
63) 1,2,4-Trimethylbenzene	10.863	105	12280	2.129	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	8752	2.491	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	11096	2.995	ug/L	91
67) 1,2-Dichlorobenzene	11.590	146	11106	3.133	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.374	75	1783	2.986	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.593	180	5837m	2.199	ug/L	
70) 1,2,4-trichlorobenzene	13.210	180	5112	2.269	ug/L	98
71) Naphthalene	13.451	128	11613	1.884	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	4981	2.229	ug/L	95

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

