

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081822\
 Data File : VW027431.D
 Acq On : 18 Aug 2022 11:49
 Operator : SY/MD
 Sample : N4015-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Aug 18 20:48:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 02:23:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	278007	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	286598	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	136304	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	91969	48.522	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.040%		
7) Chloroethane-d5	1.564	69	62665	45.225	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.440%		
11) 1,1-Dichloroethene-d2	2.105	63	150984	43.550	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.100%		
21) 2-Butanone-d5	3.879	46	140457	83.252	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.250%		
24) Chloroform-d	4.346	84	183451	47.251	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.500%		
26) 1,2-Dichloroethane-d4	5.027	65	124234	51.538	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.080%		
32) Benzene-d6	5.047	84	352400	51.275	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.540%		
36) 1,2-Dichloropropane-d6	6.066	67	118950	48.655	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.300%		
41) Toluene-d8	7.313	98	294720	50.309	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.620%		
43) trans-1,3-Dichloroprop...	7.622	79	48727	45.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.460%		
47) 2-Hexanone-d5	8.088	63	87423	74.245	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.240%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	157611	39.560	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.120%		
66) 1,2-Dichlorobenzene-d4	11.622	152	106761	45.356	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	5584	2.258	ug/L	97
3) Chloromethane	1.240	50	5481	1.940	ug/L	96
5) Vinyl chloride	1.310	62	5443	1.934	ug/L #	54
6) Bromomethane	1.519	94	2547	1.920	ug/L	90
8) Chloroethane	1.584	64	2993	1.909	ug/L	92
9) Trichlorofluoromethane	1.751	101	8477	2.347	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	6551	3.271	ug/L	86
12) 1,1-Dichloroethene	2.117	96	6048	3.140	ug/L #	1
13) Acetone	2.172	43	9374	7.206	ug/L	95
14) Carbon disulfide	2.294	76	11964	1.825	ug/L	95
15) Methyl Acetate	2.436	43	7062	2.387	ug/L #	78
17) trans-1,2-Dichloroethene	2.761	96	4346	2.039	ug/L	75
18) Methyl tert-butyl Ether	2.767	73	15628	2.465	ug/L #	91
19) 1,1-Dichloroethane	3.188	63	9902	2.314	ug/L	91
20) cis-1,2-Dichloroethene	3.912	96	5428	2.451	ug/L	88
22) 2-Butanone	3.992	43	10995m	6.165	ug/L	
23) Bromochloromethane	4.262	128	3532m	2.856	ug/L	
25) Chloroform	4.375	83	18076	4.180	ug/L	96
27) 1,2-Dichloroethane	5.137	62	8054	2.391	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.674	56	6624	2.007	ug/L #	79
30) 1,1,1-Trichloroethane	4.606	97	9402	2.475	ug/L #	91
31) Carbon tetrachloride	4.831	117	7619	2.310	ug/L	90
33) Benzene	5.101	78	21926	2.381	ug/L	100
35) Methylcyclohexane	6.124	83	6638	1.914	ug/L #	73
37) 1,2-Dichloropropane	6.178	63	5600	2.170	ug/L #	93
38) Bromodichloromethane	6.513	83	8259	2.443	ug/L	97
39) cis-1,3-Dichloropropene	7.034	75	7598	2.223	ug/L	83
40) 4-Methyl-2-pentanone	7.230	43	14760	4.010	ug/L #	87
42) Toluene	7.391	91	20690	2.210	ug/L	97
44) trans-1,3-Dichloropropene	7.654	75	9920m	2.954	ug/L	
45) 1,1,2-Trichloroethane	7.841	97	6469	2.601	ug/L	94
46) Tetrachloroethene	7.976	164	3961	2.295	ug/L	91
48) 2-Hexanone	8.146	43	19224	6.558	ug/L #	79
49) Dibromochloromethane	8.246	129	6365	2.421	ug/L	98
50) 1,2-Dibromoethane	8.355	107	6254	2.444	ug/L #	93
51) Chlorobenzene	8.879	112	14985	2.386	ug/L	97
52) Ethylbenzene	9.014	91	19547	2.023	ug/L	99
53) m,p-Xylene	9.143	106	6910	1.892	ug/L	99
54) o-Xylene	9.545	106	6631	1.864	ug/L	89
55) Styrene	9.567	104	11078	1.768	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	11435	2.745	ug/L	97
59) Bromoform	9.735	173	4620	2.853	ug/L	94
60) Isopropylbenzene	9.931	105	16257	1.893	ug/L #	95
61) 1,2,3-Trichloropropane	10.275	75	7686	2.456	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	13889	1.958	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	12711	1.829	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	9206	2.211	ug/L	91
65) 1,4-Dichlorobenzene	11.271	146	10328	2.357	ug/L	93
67) 1,2-Dichlorobenzene	11.641	146	11455	2.626	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.429	75	2191	2.496	ug/L	96
69) 1,3,5-Trichlorobenzene	12.648	180	6501	2.325	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	5252	2.261	ug/L	94
71) Naphthalene	13.506	128	15017	1.888	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	5413	2.103	ug/L	99

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

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