

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081822\
 Data File : VW027424.D
 Acq On : 17 Aug 2022 17:47
 Operator : SY/MD
 Sample : N4015-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 18 02:36:07 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	5.616	114	276466	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	277539	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	130201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88896	47.163	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.320%		
7) Chloroethane-d5	1.564	69	61535	44.657	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.320%		
11) 1,1-Dichloroethene-d2	2.105	63	147300	42.724	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.440%		
21) 2-Butanone-d5	3.879	46	141342	84.243	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.240%		
24) Chloroform-d	4.346	84	178930	46.343	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
26) 1,2-Dichloroethane-d4	5.027	65	117116	48.856	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.720%		
32) Benzene-d6	5.047	84	349924	52.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.160%		
36) 1,2-Dichloropropane-d6	6.066	67	118518	50.060	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.120%		
41) Toluene-d8	7.313	98	286702	50.538	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.080%		
43) trans-1,3-Dichloroprop...	7.622	79	47479	46.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.020%		
47) 2-Hexanone-d5	8.088	63	87467	76.707	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.710%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	156597	40.588	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.180%		
66) 1,2-Dichlorobenzene-d4	11.622	152	105565	46.950	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.900%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	5428	2.207	ug/L	90
3) Chloromethane	1.240	50	5554	1.977	ug/L	94
5) Vinyl chloride	1.310	62	5467	1.953	ug/L	# 30
6) Bromomethane	1.519	94	2660	2.016	ug/L	95
8) Chloroethane	1.580	64	3071	1.969	ug/L	93
9) Trichlorofluoromethane	1.751	101	8769	2.442	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6458	3.243	ug/L	90
12) 1,1-Dichloroethene	2.117	96	5677	2.964	ug/L	# 1
13) Acetone	2.172	43	8125	6.280	ug/L	75
14) Carbon disulfide	2.294	76	11253	1.726	ug/L	99
15) Methyl Acetate	2.436	43	7186	2.442	ug/L	# 80
16) Methylene chloride	2.503	84	9099	3.556	ug/L	94
17) trans-1,2-Dichloroethene	2.764	96	4794	2.261	ug/L	97
18) Methyl tert-butyl Ether	2.767	73	15094m	2.394	ug/L	
19) 1,1-Dichloroethane	3.188	63	10113	2.376	ug/L	92
20) cis-1,2-Dichloroethene	3.915	96	5458m	2.478	ug/L	
22) 2-Butanone	3.989	43	9975m	5.624	ug/L	
23) Bromochloromethane	4.256	128	2888	2.348	ug/L	# 86
25) Chloroform	4.375	83	18277	4.250	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081822\
 Data File : VV027424.D
 Acq On : 17 Aug 2022 17:47
 Operator : SY/MD
 Sample : N4015-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 18 02:36:07 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)
27) 1,2-Dichloroethane	5.137	62	9230	2.756	ug/L #	92
29) Cyclohexane	4.674	56	6232	1.950	ug/L #	83
30) 1,1,1-Trichloroethane	4.606	97	9007	2.448	ug/L #	94
31) Carbon tetrachloride	4.831	117	7796m	2.441	ug/L	
33) Benzene	5.101	78	20514m	2.300	ug/L	
35) Methylcyclohexane	6.124	83	7384m	2.199	ug/L	
37) 1,2-Dichloropropane	6.178	63	5656m	2.264	ug/L	
38) Bromodichloromethane	6.513	83	8150m	2.489	ug/L	
39) cis-1,3-Dichloropropene	7.034	75	7172	2.167	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	15252	4.279	ug/L #	83
42) Toluene	7.394	91	19753	2.178	ug/L	98
44) trans-1,3-Dichloropropene	7.657	75	7772	2.390	ug/L	96
45) 1,1,2-Trichloroethane	7.847	97	6088	2.528	ug/L	97
46) Tetrachloroethene	7.979	164	3892	2.329	ug/L	93
48) 2-Hexanone	8.146	43	19803	6.976	ug/L #	79
49) Dibromochloromethane	8.246	129	6354	2.496	ug/L	96
50) 1,2-Dibromoethane	8.355	107	5640	2.276	ug/L	93
51) Chlorobenzene	8.882	112	14259	2.344	ug/L	96
52) Ethylbenzene	9.014	91	18188	1.944	ug/L	97
53) m,p-Xylene	9.143	106	5908	1.671	ug/L	94
54) o-Xylene	9.545	106	6653	1.931	ug/L	94
55) Styrene	9.564	104	10356	1.706	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	10594	2.626	ug/L #	99
59) Bromoform	9.731	173	4138	2.675	ug/L #	95
60) Isopropylbenzene	9.931	105	16328	1.990	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	7862	2.630	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	12669	1.870	ug/L	94
63) 1,2,4-Trimethylbenzene	10.915	105	13376	2.015	ug/L	92
64) 1,3-Dichlorobenzene	11.181	146	9363	2.354	ug/L	90
65) 1,4-Dichlorobenzene	11.271	146	10220	2.442	ug/L	95
67) 1,2-Dichlorobenzene	11.641	146	11055	2.653	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	2243	2.675	ug/L	85
69) 1,3,5-Trichlorobenzene	12.644	180	6668	2.496	ug/L	98
70) 1,2,4-trichlorobenzene	13.265	180	5205	2.346	ug/L	97
71) Naphthalene	13.506	128	16046	2.112	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	5675	2.308	ug/L	97

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

