

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022822\
 Data File : VW024838.D
 Acq On : 28 Feb 2022 16:43
 Operator : SY/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Mar 01 02:58:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 01 01:37:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	326192	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	313412	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	146918	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	142233	42.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.760%		
7) Chloroethane-d5	1.568	69	117603	45.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.380%		
11) 1,1-Dichloroethene-d2	2.108	63	194054	34.858	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.720%		
21) 2-Butanone-d5	3.889	46	178908	94.782	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.780%		
24) Chloroform-d	4.349	84	262700	45.372	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.740%		
26) 1,2-Dichloroethane-d4	5.030	65	162547	47.582	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.160%		
32) Benzene-d6	5.050	84	552419	47.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.100%		
36) 1,2-Dichloropropane-d6	6.069	67	176431	48.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.500%		
41) Toluene-d8	7.313	98	482983	46.930	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.860%		
43) trans-1,3-Dichloroprop...	7.619	79	72698	46.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.460%		
47) 2-Hexanone-d5	8.085	63	133896	97.464	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.460%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	209263	48.747	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.500%		
66) 1,2-Dichlorobenzene-d4	11.622	152	165648	48.946	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	6430	2.088	ug/L	100
3) Chloromethane	1.243	50	8511	2.671	ug/L	97
5) Vinyl chloride	1.310	62	8255	2.525	ug/L #	69
6) Bromomethane	1.523	94	5515	2.824	ug/L	97
8) Chloroethane	1.587	64	4613	2.408	ug/L	95
9) Trichlorofluoromethane	1.754	101	9223	2.206	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6751	2.723	ug/L #	85
12) 1,1-Dichloroethene	2.117	96	6643	2.751	ug/L #	1
13) Acetone	2.185	43	6123	4.248	ug/L	78
14) Carbon disulfide	2.297	76	17902	2.427	ug/L	98
15) Methyl Acetate	2.445	43	5818	2.350	ug/L	98
16) Methylene chloride	2.510	84	6837	2.418	ug/L	94
17) trans-1,2-Dichloroethene	2.767	96	5862	2.245	ug/L	97
18) Methyl tert-butyl Ether	2.773	73	18538	2.328	ug/L	99
19) 1,1-Dichloroethane	3.191	63	11055	2.348	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	6745	2.386	ug/L	98
22) 2-Butanone	3.998	43	8567m	5.183	ug/L	
23) Bromochloromethane	4.256	128	3068	2.170	ug/L	86
25) Chloroform	4.378	83	13571	2.775	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	7964	2.333	ug/L	97
29) Cyclohexane	4.677	56	8814	2.150	ug/L	89
30) 1,1,1-Trichloroethane	4.609	97	9393	2.276	ug/L	99
31) Carbon tetrachloride	4.828	117	7564	2.156	ug/L	99
33) Benzene	5.104	78	24121	2.280	ug/L	100
34) Trichloroethene	5.915	95	7065	2.437	ug/L	92
35) Methylcyclohexane	6.133	83	9510	2.162	ug/L	96
37) 1,2-Dichloropropane	6.178	63	6652	2.506	ug/L #	92
38) Bromodichloromethane	6.516	83	7534	2.166	ug/L	99
39) cis-1,3-Dichloropropene	7.037	75	9302	2.329	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	13776	4.353	ug/L	97
42) Toluene	7.391	91	32578	2.952	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8520	2.322	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	6086	2.360	ug/L	96
46) Tetrachloroethene	7.979	164	3886	2.075	ug/L	96
48) 2-Hexanone	8.143	43	20889	8.388	ug/L	99
49) Dibromochloromethane	8.249	129	5438	2.182	ug/L	98
50) 1,2-Dibromoethane	8.355	107	6184	2.325	ug/L #	98
51) Chlorobenzene	8.882	112	15917	2.286	ug/L	99
52) Ethylbenzene	9.014	91	26004	2.234	ug/L	98
53) m,p-Xylene	9.140	106	9735	2.176	ug/L	95
54) o-Xylene	9.545	106	9229	2.135	ug/L	100
55) Styrene	9.564	104	15091	2.058	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	9655	2.677	ug/L #	92
59) Bromoform	9.731	173	2624	1.961	ug/L #	97
60) Isopropylbenzene	9.931	105	24086	2.257	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	7307	2.486	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	15976	2.219	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	19526	2.213	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	11057	2.362	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	11436	2.386	ug/L	93
67) 1,2-Dichlorobenzene	11.641	146	11548	2.451	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.429	75	1442	2.149	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	6533	2.067	ug/L	94
70) 1,2,4-trichlorobenzene	13.262	180	6280	2.281	ug/L	98
71) Naphthalene	13.503	128	20198	2.264	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	6319	2.327	ug/L	98

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

