

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017923.D
 Acq On : 18 Jan 2021 12:20
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Quant Time: Jan 19 06:47:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 12:12:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	443592	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	420426	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	208611	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	160468	23.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.20%		
7) Chloroethane-d5	2.885	69	137333	23.89	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.56%		
10) 1,1-Dichloroethene-d2	4.025	63	294263	23.40	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	93.60%		
20) 2-Butanone-d5	7.080	46	76633	45.51	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.02%		
24) Chloroform-d	7.647	84	301403	24.90	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.60%		
26) 1,2-Dichloroethane-d4	8.305	65	170425	24.89	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.56%		
29) Benzene-d6	8.275	84	578434	24.04	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.16%		
33) 1,2-Dichloropropane-d6	9.274	67	164403	24.01	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.04%		
37) Toluene-d8	10.323	98	546641	24.20	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.80%		
38) trans-1,3-Dichloroprop...	10.579	79	77841	24.89	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.56%		
39) 2-Hexanone-d5	10.927	63	56196	45.78	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.56%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	142704	23.43	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	93.72%		
61) 1,2-Dichlorobenzene-d4	13.853	152	181830	25.05	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	100.20%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	127285	23.70	ug/L	95
3) Chloromethane	2.209	50	112976	23.27	ug/L	100
5) Vinyl chloride	2.361	62	180190	24.34	ug/L	98
6) Bromomethane	2.776	94	140644	23.65	ug/L	98
8) Chloroethane	2.922	64	111362	24.22	ug/L	99
9) Trichlorofluoromethane	3.263	101	132506	23.61	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	149470	24.21	ug/L #	71
12) 1,1-Dichloroethene	4.044	96	140738	24.18	ug/L	91
13) Acetone	4.129	43	50996	43.01	ug/L	92
14) Carbon disulfide	4.385	76	439132	24.37	ug/L	99
15) Methyl Acetate	4.666	43	64927	22.50	ug/L	95
16) Methylene chloride	4.915	84	153012	23.81	ug/L	94
17) Methyl tert-butyl Ether	5.421	73	193108	24.64	ug/L	98
18) trans-1,2-Dichloroethene	5.421	96	156612	24.87	ug/L	99
19) 1,1-Dichloroethane	6.214	63	267570	25.08	ug/L	97
21) 2-Butanone	7.171	43	81844	44.43	ug/L	99
22) cis-1,2-Dichloroethene	7.165	96	166859	25.29	ug/L	98
23) Bromochloromethane	7.513	128	76840	25.62	ug/L	92
25) Chloroform	7.677	83	287695	25.31	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	201202	25.66	ug/L	96
30) Cyclohexane	7.958	56	247186	23.93	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	233484	23.83	ug/L	98
32) Carbon tetrachloride	8.067	117	226972	24.23	ug/L	98
34) Benzene	8.323	78	605847	24.38	ug/L	100
35) Trichloroethene	9.092	95	166458	24.35	ug/L	95
36) Methylcyclohexane	9.335	83	287673	24.17	ug/L	99
40) 1,2-Dichloropropane	9.366	63	147474	24.52	ug/L	98
41) Bromodichloromethane	9.646	83	207737	25.03	ug/L	95
42) cis-1,3-Dichloropropene	10.073	75	242626	25.38	ug/L	97
43) 4-Methyl-2-pentanone	10.207	43	185474	45.88	ug/L	98
44) Toluene	10.384	91	675870	24.60	ug/L	98
45) trans-1,3-Dichloropropene	10.603	75	212707	25.47	ug/L	96
46) 1,1,2-Trichloroethane	10.786	97	116279	24.01	ug/L	98
47) Tetrachloroethene	10.860	164	130801	24.32	ug/L	98
49) 2-Hexanone	10.969	43	124987	45.27	ug/L	88
50) Dibromochloromethane	11.128	129	144034	24.92	ug/L	98
51) 1,2-Dibromoethane	11.238	107	117801	24.20	ug/L #	99
52) Chlorobenzene	11.658	112	440323	24.86	ug/L	95
53) Ethylbenzene	11.731	91	760097	24.50	ug/L	98
54) m,p-Xylene	11.841	106	294428	24.52	ug/L	91
55) o-xylene	12.164	106	281164	25.28	ug/L	95
56) Styrene	12.182	104	482908	25.61	ug/L	97
57) Isopropylbenzene	12.463	105	754391	24.39	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	141673	23.71	ug/L	95
59) 1,2,3-Trichloropropane	12.768	75	107133	23.71	ug/L	99
62) Bromoform	12.347	173	78041	26.23	ug/L #	97
63) 1,3-Dichlorobenzene	13.499	146	337184	25.82	ug/L	96
64) 1,4-Dichlorobenzene	13.579	146	330598	25.18	ug/L	97
65) 1,2-Dichlorobenzene	13.871	146	297096	25.26	ug/L	95
66) 1,2-Dibromo-3-chloropr...	14.487	75	23405	23.74	ug/L	83
67) 1,3,5-Trichlorobenzene	14.627	180	230146	25.21	ug/L	95
68) 1,2,4-trichlorobenzene	15.133	180	208917	26.81	ug/L	98
69) Naphthalene	15.365	128	421456	25.28	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	173427	25.53	ug/L	96

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

