

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032421\
 Data File : VW018436.D
 Acq On : 24 Mar 2021 10:05
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Mar 25 01:19:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 24 01:23:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	476980	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	441112	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	222001	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	145071	21.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.44%		
7) Chloroethane-d5	2.892	69	133829	23.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	92.12%		
10) 1,1-Dichloroethene-d2	4.026	63	262888	22.94	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	91.76%		
20) 2-Butanone-d5	7.074	46	72678	49.18	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.36%		
24) Chloroform-d	7.647	84	282006	23.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.84%		
26) 1,2-Dichloroethane-d4	8.305	65	165873	23.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	93.56%		
29) Benzene-d6	8.275	84	523048	22.30	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.20%		
33) 1,2-Dichloropropane-d6	9.275	67	155196	22.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	91.76%		
37) Toluene-d8	10.323	98	504699	22.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	89.40%		
38) trans-1,3-Dichloroprop...	10.579	79	78542	22.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	90.04%		
39) 2-Hexanone-d5	10.921	63	62556	47.26	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.52%		
48) 1,1,2,2-Tetrachloroeth...	12.689	84	147398	24.36	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.44%		
61) 1,2-Dichlorobenzene-d4	13.853	152	182356	23.10	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.40%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	142922	26.09	ug/L	91
3) Chloromethane	2.215	50	167778	24.30	ug/L	99
5) Vinyl chloride	2.367	62	256183	28.25	ug/L	100
6) Bromomethane	2.782	94	191401	29.23	ug/L	100
8) Chloroethane	2.928	64	163322	28.88	ug/L	100
9) Trichlorofluoromethane	3.257	101	120371	26.38	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	163291	27.84	ug/L	98
12) 1,1-Dichloroethene	4.044	96	161445	26.96	ug/L	95
13) Acetone	4.117	43	56289	53.02	ug/L	99
14) Carbon disulfide	4.385	76	482528	26.76	ug/L	99
15) Methyl Acetate	4.666	43	66485	27.38	ug/L	97
16) Methylene chloride	4.910	84	171879	21.97	ug/L	93
17) Methyl tert-butyl Ether	5.416	73	234095	26.76	ug/L	98
18) trans-1,2-Dichloroethene	5.422	96	175443	26.54	ug/L	98
19) 1,1-Dichloroethane	6.214	63	305513	27.09	ug/L	97
21) 2-Butanone	7.165	43	88537	52.49	ug/L	100
22) cis-1,2-Dichloroethene	7.171	96	189052	27.19	ug/L	98
23) Bromochloromethane	7.513	128	84297	27.39	ug/L	91
25) Chloroform	7.677	83	325671	27.21	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	236861	27.89	ug/L	100
30) Cyclohexane	7.952	56	273670	26.13	ug/L	96
31) 1,1,1-Trichloroethane	7.866	97	268041	27.19	ug/L	97
32) Carbon tetrachloride	8.067	117	249504	27.16	ug/L	100
34) Benzene	8.324	78	694670	27.19	ug/L	100
35) Trichloroethene	9.092	95	187595	26.58	ug/L	98
36) Methylcyclohexane	9.336	83	324675	26.27	ug/L	98
40) 1,2-Dichloropropane	9.366	63	167625	26.82	ug/L	98
41) Bromodichloromethane	9.640	83	244344	27.66	ug/L	98
42) cis-1,3-Dichloropropene	10.073	75	282988	26.78	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	208356	55.44	ug/L	97
44) Toluene	10.384	91	780374	26.87	ug/L	97
45) trans-1,3-Dichloropropene	10.604	75	260085	27.41	ug/L	100
46) 1,1,2-Trichloroethane	10.787	97	138097	27.71	ug/L	98
47) Tetrachloroethene	10.866	164	144794	27.02	ug/L	89
49) 2-Hexanone	10.963	43	147488	55.46	ug/L	98
50) Dibromochloromethane	11.128	129	161399	27.47	ug/L	96
51) 1,2-Dibromoethane	11.232	107	136937	27.75	ug/L	98
52) Chlorobenzene	11.658	112	485711	26.37	ug/L	98
53) Ethylbenzene	11.731	91	902687	27.57	ug/L	99
54) m,p-Xylene	11.835	106	338553	27.06	ug/L	98
55) o-xylene	12.164	106	326537	27.37	ug/L	98
56) Styrene	12.177	104	559652	27.51	ug/L	97
57) Isopropylbenzene	12.463	105	887149	27.35	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	172964	28.68	ug/L	95
59) 1,2,3-Trichloropropane	12.768	75	129634	28.47	ug/L	100
62) Bromoform	12.353	173	92744	27.24	ug/L #	97
63) 1,3-Dichlorobenzene	13.499	146	394019	27.73	ug/L	95
64) 1,4-Dichlorobenzene	13.579	146	376409	26.25	ug/L	97
65) 1,2-Dichlorobenzene	13.865	146	350587	27.61	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	31214	27.20	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.621	180	285045	27.82	ug/L	95
68) 1,2,4-trichlorobenzene	15.127	180	251748	28.87	ug/L	95
69) Naphthalene	15.359	128	504939	27.81	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	210192	27.63	ug/L	99

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

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