

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018098.D
 Acq On : 12 Feb 2021 09:49
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Feb 12 22:36:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 12 02:37:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	417926	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	376500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	201667	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	101360	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.04%
7) Chloroethane-d5	2.891	69	88077	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.48%
10) 1,1-Dichloroethene-d2	4.025	63	236072	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.92%
20) 2-Butanone-d5	7.074	46	53412	38.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.06%
24) Chloroform-d	7.647	84	259801	23.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	8.305	65	127601	21.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.36%
29) Benzene-d6	8.275	84	502413	24.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.20%
33) 1,2-Dichloropropane-d6	9.274	67	140977	24.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.52%
37) Toluene-d8	10.323	98	484102	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.44%
38) trans-1,3-Dichloroprop...	10.579	79	62146	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.84%
39) 2-Hexanone-d5	10.920	63	44460	40.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.44%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	110691	21.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.16%
61) 1,2-Dichlorobenzene-d4	13.853	152	179982	25.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.08%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	129796	22.95	ug/L	97
3) Chloromethane	2.215	50	97629	23.44	ug/L	99
5) Vinyl chloride	2.367	62	145375	25.31	ug/L	95
6) Bromomethane	2.782	94	99147	24.27	ug/L	100
8) Chloroethane	2.928	64	84787	24.70	ug/L	99
9) Trichlorofluoromethane	3.257	101	104971	25.27	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	153548	25.87	ug/L #	64
12) 1,1-Dichloroethene	4.037	96	146700	26.27	ug/L	98
13) Acetone	4.117	43	38014	37.07	ug/L	97
14) Carbon disulfide	4.385	76	414076	25.46	ug/L	99
15) Methyl Acetate	4.665	43	44933	19.75	ug/L	98
16) Methylene chloride	4.915	84	141083	21.06	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	143452	22.88	ug/L	97
18) trans-1,2-Dichloroethene	5.421	96	154267	25.85	ug/L	96
19) 1,1-Dichloroethane	6.214	63	243607	25.29	ug/L	98
21) 2-Butanone	7.165	43	57774	37.01	ug/L	94
22) cis-1,2-Dichloroethene	7.165	96	159630	25.79	ug/L	95
23) Bromochloromethane	7.506	128	71619	24.07	ug/L	92
25) Chloroform	7.671	83	263904	25.11	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	156366	22.92	ug/L	99
30) Cyclohexane	7.951	56	225005	26.13	ug/L	94
31) 1,1,1-Trichloroethane	7.866	97	225640	27.03	ug/L	99
32) Carbon tetrachloride	8.067	117	221941	27.45	ug/L	100
34) Benzene	8.323	78	572752	26.03	ug/L	100
35) Trichloroethene	9.091	95	161778	26.09	ug/L	99
36) Methylcyclohexane	9.335	83	278167	26.68	ug/L	96
40) 1,2-Dichloropropane	9.366	63	128738	25.49	ug/L	99
41) Bromodichloromethane	9.640	83	186073	25.73	ug/L	95
42) cis-1,3-Dichloropropene	10.073	75	209360	25.73	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	124810	39.75	ug/L	93
44) Toluene	10.384	91	642778	26.54	ug/L	99
45) trans-1,3-Dichloropropene	10.603	75	177548	25.06	ug/L	99
46) 1,1,2-Trichloroethane	10.786	97	101202	23.48	ug/L	98
47) Tetrachloroethene	10.859	164	144889	27.44	ug/L	92
49) 2-Hexanone	10.969	43	86219	39.52	ug/L	95
50) Dibromochloromethane	11.128	129	128893	24.96	ug/L	97
51) 1,2-Dibromoethane	11.231	107	99132	23.06	ug/L #	98
52) Chlorobenzene	11.658	112	414540	25.98	ug/L	99
53) Ethylbenzene	11.731	91	719640	26.15	ug/L	94
54) m,p-Xylene	11.841	106	278541	26.54	ug/L	97
55) o-xylene	12.164	106	260512	26.17	ug/L	96
56) Styrene	12.182	104	443136	26.17	ug/L	97
57) Isopropylbenzene	12.463	105	740953	26.72	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	110492	21.67	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	80276	20.78	ug/L	98
62) Bromoform	12.347	173	73104	23.52	ug/L #	99
63) 1,3-Dichlorobenzene	13.499	146	335624	26.11	ug/L	97
64) 1,4-Dichlorobenzene	13.578	146	332937	25.75	ug/L	96
65) 1,2-Dichlorobenzene	13.865	146	291231	25.12	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	16686	19.00	ug/L	93
67) 1,3,5-Trichlorobenzene	14.627	180	262222	26.55	ug/L	99
68) 1,2,4-trichlorobenzene	15.127	180	206688	25.11	ug/L	93
69) Naphthalene	15.365	128	354383	22.12	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	177215	24.15	ug/L	97

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

