

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021621\
 Data File : VW018150.D
 Acq On : 16 Feb 2021 09:20
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Feb 17 00:55:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 16 02:20:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	433907	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	380453	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	202905	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	104397	19.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.44%
7) Chloroethane-d5	2.891	69	91569	21.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.56%
10) 1,1-Dichloroethene-d2	4.025	63	243869	22.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.48%
20) 2-Butanone-d5	7.080	46	54700	38.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.02%
24) Chloroform-d	7.647	84	280032	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.305	65	133913	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.32%
29) Benzene-d6	8.275	84	528769	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
33) 1,2-Dichloropropane-d6	9.274	67	147294	25.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.84%
37) Toluene-d8	10.323	98	501564	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.92%
38) trans-1,3-Dichloroprop...	10.573	79	65293	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
39) 2-Hexanone-d5	10.920	63	46386	41.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.06%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	117459	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	13.853	152	185357	25.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.44%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	132087	22.50	ug/L	97
3) Chloromethane	2.215	50	97465	22.54	ug/L	99
5) Vinyl chloride	2.367	62	149031	24.99	ug/L	99
6) Bromomethane	2.782	94	101305	23.88	ug/L	99
8) Chloroethane	2.928	64	86004	24.13	ug/L	99
9) Trichlorofluoromethane	3.263	101	110415	25.61	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	159552	25.89	ug/L #	65
12) 1,1-Dichloroethene	4.044	96	150292	25.92	ug/L	91
13) Acetone	4.129	43	34397	32.31	ug/L	100
14) Carbon disulfide	4.385	76	417495	24.73	ug/L	98
15) Methyl Acetate	4.672	43	43853	18.57	ug/L	95
16) Methylene chloride	4.915	84	142228	20.45	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	147292	22.63	ug/L	96
18) trans-1,2-Dichloroethene	5.428	96	156434	25.25	ug/L	93
19) 1,1-Dichloroethane	6.214	63	250737	25.07	ug/L	99
21) 2-Butanone	7.171	43	54357	33.54	ug/L	92
22) cis-1,2-Dichloroethene	7.171	96	161221	25.09	ug/L	96
23) Bromochloromethane	7.513	128	73631	23.84	ug/L	93
25) Chloroform	7.671	83	270114	24.75	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	156795	22.14	ug/L	100
30) Cyclohexane	7.958	56	226639	26.04	ug/L	95
31) 1,1,1-Trichloroethane	7.872	97	229262	27.18	ug/L	98
32) Carbon tetrachloride	8.067	117	224481	27.47	ug/L	100
34) Benzene	8.323	78	580766	26.12	ug/L	100
35) Trichloroethene	9.091	95	164166	26.20	ug/L	99
36) Methylcyclohexane	9.335	83	275775	26.17	ug/L	96
40) 1,2-Dichloropropane	9.366	63	132282	25.92	ug/L	99
41) Bromodichloromethane	9.646	83	188320	25.77	ug/L	97
42) cis-1,3-Dichloropropene	10.073	75	214594	26.10	ug/L	98
43) 4-Methyl-2-pentanone	10.207	43	122585	38.64	ug/L	93
44) Toluene	10.384	91	641940	26.23	ug/L	99
45) trans-1,3-Dichloropropene	10.603	75	180609	25.23	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	102648	23.57	ug/L	99
47) Tetrachloroethene	10.859	164	144380	27.06	ug/L	94
49) 2-Hexanone	10.969	43	84794	38.46	ug/L	95
50) Dibromochloromethane	11.128	129	131816	25.26	ug/L	100
51) 1,2-Dibromoethane	11.231	107	100228	23.07	ug/L #	97
52) Chlorobenzene	11.658	112	418273	25.94	ug/L	96
53) Ethylbenzene	11.731	91	727753	26.17	ug/L	96
54) m,p-Xylene	11.841	106	284130	26.79	ug/L	98
55) o-xylene	12.164	106	268097	26.65	ug/L	97
56) Styrene	12.182	104	446123	26.08	ug/L	98
57) Isopropylbenzene	12.463	105	747870	26.69	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	111118	21.57	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	80270	20.56	ug/L	100
62) Bromoform	12.347	173	73329	23.45	ug/L #	99
63) 1,3-Dichlorobenzene	13.499	146	341839	26.43	ug/L	93
64) 1,4-Dichlorobenzene	13.578	146	333682	25.65	ug/L	95
65) 1,2-Dichlorobenzene	13.865	146	295744	25.36	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	16924	19.16	ug/L	93
67) 1,3,5-Trichlorobenzene	14.627	180	257989	25.97	ug/L	99
68) 1,2,4-trichlorobenzene	15.127	180	208888	25.22	ug/L	95
69) Naphthalene	15.365	128	342193	21.23	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	174106	23.58	ug/L	96

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

