

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
 Data File : VW018096.D
 Acq On : 11 Feb 2021 19:37
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Feb 12 02:55:16 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	8.841	114	393021	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	362053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	194630	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	93994	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.96%
7) Chloroethane-d5	2.891	69	80612	20.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.16%
10) 1,1-Dichloroethene-d2	4.025	63	207340	21.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.92%
20) 2-Butanone-d5	7.074	46	54890	42.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.22%
24) Chloroform-d	7.647	84	244725	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.305	65	121199	22.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.24%
29) Benzene-d6	8.275	84	465881	23.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.72%
33) 1,2-Dichloropropane-d6	9.274	67	131208	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.40%
37) Toluene-d8	10.323	98	445350	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
38) trans-1,3-Dichloroprop...	10.579	79	58847	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.920	63	46788	44.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.02%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	112282	22.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.96%
61) 1,2-Dichlorobenzene-d4	13.853	152	169245	24.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.52%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	108237	20.35	ug/L	95
3) Chloromethane	2.215	50	82188	20.98	ug/L	98
5) Vinyl chloride	2.367	62	126162	23.35	ug/L	98
6) Bromomethane	2.788	94	87850	22.87	ug/L	99
8) Chloroethane	2.928	64	73741	22.85	ug/L	99
9) Trichlorofluoromethane	3.263	101	84164	21.55	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	134270	24.06	ug/L #	66
12) 1,1-Dichloroethene	4.044	96	124640	23.73	ug/L	95
13) Acetone	4.117	43	35031	36.33	ug/L	98
14) Carbon disulfide	4.391	76	350918	22.95	ug/L	99
15) Methyl Acetate	4.665	43	42619	19.92	ug/L	96
16) Methylene chloride	4.921	84	128597	20.42	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	136873	23.22	ug/L	96
18) trans-1,2-Dichloroethene	5.427	96	131797	23.48	ug/L	96
19) 1,1-Dichloroethane	6.214	63	214578	23.69	ug/L	99
21) 2-Butanone	7.171	43	54968	37.44	ug/L	93
22) cis-1,2-Dichloroethene	7.171	96	142080	24.41	ug/L	95
23) Bromochloromethane	7.512	128	65051	23.25	ug/L	91
25) Chloroform	7.677	83	231911	23.46	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	141497	22.06	ug/L	98
30) Cyclohexane	7.958	56	189464	22.88	ug/L	93
31) 1,1,1-Trichloroethane	7.872	97	192717	24.01	ug/L	98
32) Carbon tetrachloride	8.067	117	183598	23.61	ug/L	99
34) Benzene	8.323	78	504008	23.82	ug/L	100
35) Trichloroethene	9.091	95	140372	23.54	ug/L	99
36) Methylcyclohexane	9.335	83	233451	23.28	ug/L	96
40) 1,2-Dichloropropane	9.366	63	114835	23.65	ug/L	100
41) Bromodichloromethane	9.646	83	164183	23.61	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	187948	24.02	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	122753	40.66	ug/L #	92
44) Toluene	10.384	91	562413	24.15	ug/L	98
45) trans-1,3-Dichloropropene	10.603	75	158041	23.20	ug/L	98
46) 1,1,2-Trichloroethane	10.786	97	94351	22.76	ug/L	97
47) Tetrachloroethene	10.859	164	121982	24.03	ug/L	95
49) 2-Hexanone	10.969	43	86504	41.23	ug/L	95
50) Dibromochloromethane	11.128	129	118933	23.95	ug/L	99
51) 1,2-Dibromoethane	11.237	107	92693	22.42	ug/L #	95
52) Chlorobenzene	11.658	112	369634	24.09	ug/L	98
53) Ethylbenzene	11.731	91	631909	23.88	ug/L	97
54) m,p-Xylene	11.841	106	245987	24.38	ug/L	99
55) o-xylene	12.164	106	234707	24.52	ug/L	97
56) Styrene	12.182	104	401221	24.64	ug/L	98
57) Isopropylbenzene	12.463	105	646316	24.24	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.713	83	107387	21.90	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	77746	20.93	ug/L	99
62) Bromoform	12.347	173	66517	22.18	ug/L #	87
63) 1,3-Dichlorobenzene	13.499	146	303885	24.49	ug/L	95
64) 1,4-Dichlorobenzene	13.578	146	298453	23.92	ug/L	96
65) 1,2-Dichlorobenzene	13.865	146	273202	24.42	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	16913	19.96	ug/L	93
67) 1,3,5-Trichlorobenzene	14.627	180	234540	24.61	ug/L	99
68) 1,2,4-trichlorobenzene	15.127	180	196420	24.72	ug/L	96
69) Naphthalene	15.365	128	349739	22.62	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	168458	23.78	ug/L	97

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

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