

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011421\
 Data File : VW017870.D
 Acq On : 14 Jan 2021 10:06
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Jan 14 21:35:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 11:39:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339553	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	317657	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	159563	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113702	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.56%
7) Chloroethane-d5	2.89	69	104282	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.20%
10) 1,1-Dichloroethene-d2	4.02	63	223583	24.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.72%
20) 2-Butanone-d5	7.07	46	55198	64.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.64%
24) Chloroform-d	7.65	84	242094	27.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.12%
26) 1,2-Dichloroethane-d4	8.30	65	132966	28.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.80%
29) Benzene-d6	8.27	84	439344	24.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.20%
33) 1,2-Dichloropropane-d6	9.27	67	133241	27.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.04%
37) Toluene-d8	10.32	98	420764	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.92%
38) trans-1,3-Dichloropropene-	10.58	79	58054	26.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.64%
39) 2-Hexanone-d5	10.93	63	38524	62.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111111	30.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.40%#
61) 1,2-Dichlorobenzene-d4	13.85	152	133422	24.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67194	17.923	ug/L 100
3) Chloromethane	2.21	50	77769	23.338	ug/L 100
5) Vinyl chloride	2.36	62	133233	23.634	ug/L 99
6) Bromomethane	2.78	94	100938	24.146	ug/L 99
8) Chloroethane	2.92	64	89605	25.352	ug/L 97
9) Trichlorofluoromethane	3.26	101	99408	21.493	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110536	25.607	ug/L 97
12) 1,1-Dichloroethene	4.04	96	101455	24.244	ug/L 93
13) Acetone	4.12	43	39196	53.306	ug/L 96
14) Carbon disulfide	4.38	76	289636	23.179	ug/L 99
15) Methyl Acetate	4.67	43	45816	32.148	ug/L 96
16) Methylene chloride	4.92	84	114124	23.503	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	141853	26.747	ug/L 97
18) trans-1,2-Dichloroethene	5.42	96	114992	25.476	ug/L 95
19) 1,1-Dichloroethane	6.21	63	216106	28.024	ug/L 98
21) 2-Butanone	7.17	43	59882	60.545	ug/L 96
22) cis-1,2-Dichloroethene	7.16	96	125360	26.430	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	52425	26.092	ug/L #	74
25) Chloroform	7.67	83	228179	28.120	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155895	29.701	ug/L	99
30) Cyclohexane	7.95	56	182213	24.099	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	192232	26.308	ug/L	96
32) Carbon tetrachloride	8.07	117	177720	25.780	ug/L	99
34) Benzene	8.32	78	474547	26.127	ug/L	100
35) Trichloroethene	9.09	95	128528	25.566	ug/L	95
36) Methylcyclohexane	9.34	83	213964	24.346	ug/L	98
40) 1,2-Dichloropropane	9.37	63	119802	27.941	ug/L	100
41) Bromodichloromethane	9.64	83	168921	28.781	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	187671	27.428	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	131392	63.075	ug/L	97
44) Toluene	10.39	91	536204	25.890	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	163364	28.038	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	89844	28.190	ug/L	99
47) Tetrachloroethene	10.86	164	95715	24.351	ug/L	93
49) 2-Hexanone	10.97	43	92580	62.641	ug/L	96
50) Dibromochloromethane	11.13	129	107611	28.441	ug/L	93
51) 1,2-Dibromoethane	11.24	107	84534	28.017	ug/L	91
52) Chlorobenzene	11.66	112	341028	26.377	ug/L	97
53) Ethylbenzene	11.73	91	615826	26.206	ug/L	98
54) m,p-Xylene	11.84	106	231527	25.186	ug/L	97
55) o-xylene	12.16	106	216796	25.077	ug/L	94
56) Styrene	12.18	104	373516	25.975	ug/L	100
57) Isopropylbenzene	12.46	105	601798	25.144	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107020	30.085	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	78328	29.955	ug/L	98
62) Bromoform	12.35	173	54210	27.766	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	248321	25.214	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	252415	25.504	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	228623	26.419	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	16628	29.174	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	172950	25.616	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	145610	26.202	ug/L	99
69) Naphthalene	15.36	128	286811	27.101	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	121067	25.798	ug/L	97

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

