

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021120\
 Data File : VW014968.D
 Acq On : 11 Feb 2020 16:38
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Feb 12 00:15:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 00:12:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	712689	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	670748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	308281	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	303932	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.04%
7) Chloroethane-d5	2.89	69	250584	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
10) 1,1-Dichloroethene-d2	4.02	63	576207	26.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.92%
20) 2-Butanone-d5	7.07	46	194582	58.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.52%
24) Chloroform-d	7.65	84	566996	28.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.08%
26) 1,2-Dichloroethane-d4	8.30	65	328138	29.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.20%
29) Benzene-d6	8.27	84	1094372	25.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.48%
33) 1,2-Dichloropropane-d6	9.27	67	384315	27.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.36%
37) Toluene-d8	10.32	98	947722	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	10.57	79	143318	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.28%
39) 2-Hexanone-d5	10.92	63	142739	55.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	290996	27.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	277825	23.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	192477	26.270	ug/L	96
3) Chloromethane	2.21	50	303456	27.332	ug/L	100
5) Vinyl chloride	2.37	62	406231	28.023	ug/L	97
6) Bromomethane	2.78	94	180051	24.839	ug/L	99
8) Chloroethane	2.93	64	225256	28.400	ug/L	98
9) Trichlorofluoromethane	3.26	101	167162	28.526	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	288422	27.882	ug/L	93
12) 1,1-Dichloroethene	4.04	96	257261	25.447	ug/L	90
13) Acetone	4.12	43	187881	54.971	ug/L	96
14) Carbon disulfide	4.39	76	823873	27.141	ug/L	99
15) Methyl Acetate	4.67	43	174517	31.029	ug/L	94
16) Methylene chloride	4.92	84	316302	24.361	ug/L	86
17) Methyl tert-butyl Ether	5.43	73	346291	26.219	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	267071	26.073	ug/L	86
19) 1,1-Dichloroethane	6.21	63	616792	29.722	ug/L	99
21) 2-Butanone	7.17	43	234725	58.658	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	291049	26.269	ug/L	94

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

23) Bromochloromethane	7.51	128	113625	24.996	ug/L #	82
25) Chloroform	7.67	83	560951	29.427	ug/L	99
27) 1,2-Dichloroethane	8.40	62	401395	30.542	ug/L	96
30) Cyclohexane	7.95	56	547940	27.417	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	415512	27.168	ug/L	97
32) Carbon tetrachloride	8.07	117	367569	26.736	ug/L	99
34) Benzene	8.32	78	1273064	27.601	ug/L	100
35) Trichloroethene	9.09	95	293094	25.636	ug/L	95
36) Methylcyclohexane	9.33	83	519419	26.081	ug/L	93
40) 1,2-Dichloropropane	9.37	63	359801	29.150	ug/L	99
41) Bromodichloromethane	9.64	83	402955	28.486	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	483557	27.589	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	502022	62.027	ug/L	95
44) Toluene	10.38	91	1279880	27.334	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	395509	28.022	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	218913	26.942	ug/L	95
47) Tetrachloroethene	10.86	164	189253	22.528	ug/L	95
49) 2-Hexanone	10.96	43	365718	64.329	ug/L #	94
50) Dibromochloromethane	11.13	129	228700	26.188	ug/L	99
51) 1,2-Dibromoethane	11.23	107	191057	25.271	ug/L	100
52) Chlorobenzene	11.65	112	719116	25.119	ug/L	95
53) Ethylbenzene	11.73	91	1398817	27.307	ug/L	98
54) m,p-Xylene	11.83	106	495067	26.458	ug/L	91
55) o-xylene	12.16	106	470216	26.405	ug/L	96
56) Styrene	12.18	104	834007	27.711	ug/L	94
57) Isopropylbenzene	12.46	105	1289862	26.970	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	290528	28.646	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	216269	28.343	ug/L	100
62) Bromoform	12.35	173	114927	24.455	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	516354	24.796	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	518492	24.718	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	478717	25.133	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46388	28.563	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	346824	23.254	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	270129	22.924	ug/L	99
69) Naphthalene	15.36	128	570694	24.621	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	260405	23.933	ug/L	99

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

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