

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012120\
 Data File : VW014704.D
 Acq On : 21 Jan 2020 09:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Jan 22 01:31:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 21 13:52:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	881904	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	770420	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	373771	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	255879	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.32%
7) Chloroethane-d5	2.89	69	221744	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
10) 1,1-Dichloroethene-d2	4.02	63	535020	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.12%
20) 2-Butanone-d5	7.07	46	156008	52.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.48%
24) Chloroform-d	7.64	84	503926	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.30	65	251554	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.56%
29) Benzene-d6	8.27	84	1059550	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	324646	26.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.40%
37) Toluene-d8	10.32	98	967905	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.24%
38) trans-1,3-Dichloropropene-	10.57	79	127454	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.20%
39) 2-Hexanone-d5	10.92	63	116001	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	241089	26.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	318990	25.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	149938	19.005	ug/L	95
3) Chloromethane	2.21	50	187370	21.008	ug/L	99
5) Vinyl chloride	2.36	62	304885	24.024	ug/L	99
6) Bromomethane	2.78	94	173067	23.354	ug/L	99
8) Chloroethane	2.93	64	171908	24.224	ug/L	99
9) Trichlorofluoromethane	3.25	101	158776	23.654	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	274505	23.822	ug/L	98
12) 1,1-Dichloroethene	4.04	96	275246	24.392	ug/L	86
13) Acetone	4.12	43	162136	39.585	ug/L	97
14) Carbon disulfide	4.38	76	789149	22.651	ug/L	100
15) Methyl Acetate	4.67	43	126532	22.894	ug/L	99
16) Methylene chloride	4.92	84	278617	19.374	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	352388	24.262	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	273996	23.050	ug/L	100
19) 1,1-Dichloroethane	6.21	63	500970	23.314	ug/L	99
21) 2-Butanone	7.16	43	196105	44.625	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	290441	23.213	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	121342	22.402	ug/L	96
25) Chloroform	7.67	83	470834	22.909	ug/L	99
27) 1,2-Dichloroethane	8.40	62	290387	21.765	ug/L	99
30) Cyclohexane	7.95	56	506578	25.705	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	382394	24.196	ug/L	99
32) Carbon tetrachloride	8.06	117	357203	24.259	ug/L	99
34) Benzene	8.32	78	1117839	24.111	ug/L	100
35) Trichloroethene	9.09	95	285053	23.823	ug/L	99
36) Methylcyclohexane	9.33	83	527069	25.108	ug/L	99
40) 1,2-Dichloropropane	9.37	63	279794	23.843	ug/L	100
41) Bromodichloromethane	9.64	83	324300	22.975	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	416394	23.754	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	341874	45.383	ug/L	99
44) Toluene	10.38	91	1178977	24.334	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	328680	23.450	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	191927	23.091	ug/L	99
47) Tetrachloroethene	10.86	164	239104	23.798	ug/L	99
49) 2-Hexanone	10.96	43	257835	50.123	ug/L	99
50) Dibromochloromethane	11.13	129	218944	23.198	ug/L	95
51) 1,2-Dibromoethane	11.23	107	184703	23.541	ug/L	99
52) Chlorobenzene	11.65	112	726780	23.730	ug/L	99
53) Ethylbenzene	11.73	91	1317661	24.735	ug/L	99
54) m,p-Xylene	11.83	106	498494	24.728	ug/L	96
55) o-xylene	12.16	106	466656	24.508	ug/L	99
56) Styrene	12.18	104	785445	24.508	ug/L	99
57) Isopropylbenzene	12.46	105	1287272	25.415	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	229195	22.711	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	174101	23.029	ug/L	99
62) Bromoform	12.35	173	128111	22.937	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	564709	23.864	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	564394	23.653	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	510449	24.063	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	36622	23.313	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	436842	24.920	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	354139	26.950	ug/L	99
69) Naphthalene	15.36	128	699712	30.843	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	317694	26.680	ug/L	99

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

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