

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
 Data File : VW016017.D
 Acq On : 30 Jul 2020 17:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Jul 31 06:38:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 06:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	421674	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	392680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188422	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96366	16.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.80%
7) Chloroethane-d5	2.90	69	97406	20.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.64%
10) 1,1-Dichloroethene-d2	4.02	63	236973	19.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.80%
20) 2-Butanone-d5	7.09	46	77206	49.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.80%
24) Chloroform-d	7.65	84	269771	22.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	8.31	65	139542	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.84%
29) Benzene-d6	8.28	84	515712	21.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.32%
33) 1,2-Dichloropropane-d6	9.28	67	162891	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.92%
37) Toluene-d8	10.33	98	461704	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.28%
38) trans-1,3-Dichloropropene-	10.58	79	61746	20.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.88%
39) 2-Hexanone-d5	10.93	63	59121	49.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133075	24.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	165090	22.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	81291	22.783	ug/L	96
3) Chloromethane	2.21	50	99293	23.009	ug/L	100
5) Vinyl chloride	2.37	62	149267	22.426	ug/L	99
6) Bromomethane	2.79	94	88560	22.303	ug/L	99
8) Chloroethane	2.93	64	92630	23.757	ug/L	100
9) Trichlorofluoromethane	3.27	101	109649	24.508	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	135109	24.705	ug/L	97
12) 1,1-Dichloroethene	4.04	96	131168	24.198	ug/L	89
13) Acetone	4.13	43	55357	42.175	ug/L	95
14) Carbon disulfide	4.39	76	379637	22.176	ug/L	100
15) Methyl Acetate	4.68	43	58450	23.617	ug/L	98
16) Methylene chloride	4.92	84	175106	25.343	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	187605	24.475	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	138308	24.163	ug/L	97
19) 1,1-Dichloroethane	6.23	63	262560	24.891	ug/L	99
21) 2-Butanone	7.18	43	77083	47.491	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	150332	25.102	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66840	25.452	ug/L	99
25) Chloroform	7.68	83	261497	25.014	ug/L	98
27) 1,2-Dichloroethane	8.40	62	164259	23.091	ug/L	96
30) Cyclohexane	7.96	56	226696	22.895	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	212970	23.227	ug/L	99
32) Carbon tetrachloride	8.07	117	190735	22.940	ug/L	98
34) Benzene	8.33	78	586731	24.601	ug/L	100
35) Trichloroethene	9.10	95	148197	23.490	ug/L	98
36) Methylcyclohexane	9.34	83	248616	22.966	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148592	25.150	ug/L	100
41) Bromodichloromethane	9.65	83	183667	24.071	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	218037	24.230	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	163859	47.514	ug/L	99
44) Toluene	10.39	91	624303	24.958	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	187646	24.058	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	106124	24.978	ug/L	99
47) Tetrachloroethene	10.87	164	115897	23.666	ug/L	96
49) 2-Hexanone	10.98	43	114815	46.915	ug/L	97
50) Dibromochloromethane	11.13	129	119822	24.359	ug/L	95
51) 1,2-Dibromoethane	11.24	107	97288	23.936	ug/L	100
52) Chlorobenzene	11.66	112	388560	24.242	ug/L	98
53) Ethylbenzene	11.73	91	694954	24.707	ug/L	98
54) m,p-Xylene	11.84	106	262670	24.960	ug/L	100
55) o-xylene	12.17	106	247603	24.987	ug/L	97
56) Styrene	12.18	104	435380	25.836	ug/L	98
57) Isopropylbenzene	12.47	105	684207	25.365	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	123320	24.718	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	90786	24.287	ug/L	99
62) Bromoform	12.35	173	65318	23.565	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	292310	24.239	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	297572	24.313	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	268959	24.554	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	18905	22.930	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	209281	24.681	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	162672	24.153	ug/L	98
69) Naphthalene	15.37	128	305375	24.067	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	147654	24.605	ug/L	100

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

