

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013320.D
 Acq On : 27 Sep 2019 14:00
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Quant Time: Sep 28 04:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 03:37:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	466984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	201734	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134036	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
7) Chloroethane-d5	2.88	69	105702	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.01	63	207642	18.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.76%
20) 2-Butanone-d5	7.08	46	89498	46.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.00%
24) Chloroform-d	7.65	84	253893	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.30	65	142371	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.27	84	561497	24.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.52%
33) 1,2-Dichloropropane-d6	9.27	67	166045	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	10.32	98	522397	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.32%
38) trans-1,3-Dichloropropene-	10.58	79	71619	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.80%
39) 2-Hexanone-d5	10.92	63	70429	47.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136807	23.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	182036	25.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4614m	1.579	ug/L	
3) Chloromethane	2.20	50	8098	2.068	ug/L	95
5) Vinyl chloride	2.35	62	11432	2.111	ug/L #	62
6) Bromomethane	2.77	94	7043	2.045	ug/L	97
8) Chloroethane	2.92	64	6663	2.028	ug/L	86
9) Trichlorofluoromethane	3.24	101	5915	1.762	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13233m	2.495	ug/L	
12) 1,1-Dichloroethene	4.03	96	13171	2.447	ug/L #	1
13) Acetone	4.13	43	10769	6.723	ug/L	64
14) Carbon disulfide	4.38	76	30359	1.987	ug/L	96
15) Methyl Acetate	4.67	43	6356m	2.056	ug/L	
16) Methylene chloride	4.91	84	21524	3.085	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	20101	2.159	ug/L #	71
18) trans-1,2-Dichloroethene	5.42	96	12465	2.165	ug/L	89
19) 1,1-Dichloroethane	6.21	63	21279	2.108	ug/L	93
21) 2-Butanone	7.18	43	11159m	4.837	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13197	2.104	ug/L	94

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

23) Bromochloromethane	7.51	128	6181	2.190	ug/L	91
25) Chloroform	7.67	83	22859	2.304	ug/L	86
27) 1,2-Dichloroethane	8.40	62	15027	2.313	ug/L	95
30) Cyclohexane	7.96	56	19892	1.992	ug/L #	92
31) 1,1,1-Trichloroethane	7.87	97	17560	2.201	ug/L	99
32) Carbon tetrachloride	8.06	117	15738	2.069	ug/L	100
34) Benzene	8.32	78	50984	2.188	ug/L	100
35) Trichloroethene	9.09	95	13136	2.145	ug/L	97
36) Methylcyclohexane	9.34	83	21735	1.993	ug/L	100
40) 1,2-Dichloropropane	9.37	63	12262	2.139	ug/L #	95
41) Bromodichloromethane	9.64	83	15045	2.139	ug/L #	97
42) cis-1,3-Dichloropropene	10.07	75	20011	2.185	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	21036	4.792	ug/L	95
44) Toluene	10.38	91	56990	2.246	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	16827m	2.286	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	9969	2.219	ug/L	92
47) Tetrachloroethene	10.86	164	11841	2.149	ug/L	95
49) 2-Hexanone	10.97	43	12644	4.007	ug/L	99
50) Dibromochloromethane	11.13	129	11079	2.150	ug/L	93
51) 1,2-Dibromoethane	11.24	107	9201	2.085	ug/L #	93
52) Chlorobenzene	11.66	112	35329	2.210	ug/L	98
53) Ethylbenzene	11.73	91	59291	2.108	ug/L	100
54) m,p-Xylene	11.84	106	22553	2.088	ug/L	96
55) o-xylene	12.17	106	20928	2.053	ug/L	90
56) Styrene	12.18	104	34708	1.986	ug/L	90
57) Isopropylbenzene	12.46	105	56980	2.068	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11947	2.159	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	8835	2.139	ug/L	99
62) Bromoform	12.35	173	6442	2.019	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	28080	2.262	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	27590	2.200	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	25532	2.261	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1767	1.986	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	19751	2.066	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	14360	1.882	ug/L	98
69) Naphthalene	15.36	128	22978	1.576	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	12781	1.842	ug/L	97

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

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