

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013317.D
 Acq On : 27 Sep 2019 11:56
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Quant Time: Sep 28 04:19:12 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	469359	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	418090	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	203892	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	139632	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.80%
7) Chloroethane-d5	2.89	69	110268	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.20%
10) 1,1-Dichloroethene-d2	4.01	63	209182	18.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.96%
20) 2-Butanone-d5	7.08	46	87148	45.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.10%
24) Chloroform-d	7.65	84	253800	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.30	65	139030	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.24%
29) Benzene-d6	8.27	84	560802	24.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.80%
33) 1,2-Dichloropropane-d6	9.27	67	166050	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.16%
37) Toluene-d8	10.32	98	523432	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.96%
38) trans-1,3-Dichloropropene-	10.58	79	71205	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.72%
39) 2-Hexanone-d5	10.92	63	69418	46.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135753	23.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	184524	25.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3725m	1.268	ug/L	
3) Chloromethane	2.21	50	7536	1.915	ug/L	88
5) Vinyl chloride	2.36	62	10261	1.885	ug/L #	73
6) Bromomethane	2.78	94	6502	1.879	ug/L	98
8) Chloroethane	2.92	64	5955	1.803	ug/L	97
9) Trichlorofluoromethane	3.25	101	5696	1.688	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11764	2.207	ug/L #	61
12) 1,1-Dichloroethene	4.04	96	12138	2.243	ug/L #	1
13) Acetone	4.13	43	7876m	4.892	ug/L	
14) Carbon disulfide	4.38	76	28595	1.862	ug/L #	94
15) Methyl Acetate	4.68	43	5565	1.791	ug/L #	76
16) Methylene chloride	4.92	84	26201	3.736	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	17441	1.864	ug/L #	90
18) trans-1,2-Dichloroethene	5.43	96	10759	1.860	ug/L	94
19) 1,1-Dichloroethane	6.21	63	19561	1.928	ug/L	96
21) 2-Butanone	7.18	43	10241m	4.416	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	11671	1.851	ug/L	83

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

23) Bromochloromethane	7.51	128	5728	2.019	ug/L	83
25) Chloroform	7.67	83	20785	2.084	ug/L	93
27) 1,2-Dichloroethane	8.40	62	13033	1.996	ug/L	96
30) Cyclohexane	7.95	56	18976	1.890	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	15370	1.915	ug/L	98
32) Carbon tetrachloride	8.07	117	14795	1.934	ug/L	99
34) Benzene	8.32	78	45319	1.933	ug/L	100
35) Trichloroethene	9.09	95	11860	1.926	ug/L	98
36) Methylcyclohexane	9.34	83	20400	1.860	ug/L	96
40) 1,2-Dichloropropane	9.37	63	11416	1.980	ug/L #	90
41) Bromodichloromethane	9.65	83	13519	1.911	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	17795	1.932	ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	17990	4.075	ug/L	96
44) Toluene	10.38	91	50786	1.990	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	15861m	2.142	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8441	1.868	ug/L #	92
47) Tetrachloroethene	10.87	164	10339	1.866	ug/L	91
49) 2-Hexanone	10.97	43	11310	3.564	ug/L	98
50) Dibromochloromethane	11.13	129	9860	1.903	ug/L	95
51) 1,2-Dibromoethane	11.24	107	8611	1.940	ug/L #	98
52) Chlorobenzene	11.66	112	31741	1.974	ug/L	98
53) Ethylbenzene	11.73	91	53782	1.901	ug/L	95
54) m,p-Xylene	11.83	106	20991	1.933	ug/L	93
55) o-xylene	12.16	106	18523	1.807	ug/L	84
56) Styrene	12.18	104	30254	1.722	ug/L	95
57) Isopropylbenzene	12.46	105	51371	1.854	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	10039	1.804	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	7509	1.808	ug/L	89
62) Bromoform	12.35	173	5989	1.857	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	25355	2.021	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	24908	1.965	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	22006	1.928	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1636	1.820	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	18425	1.907	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	12795	1.659	ug/L	95
69) Naphthalene	15.37	128	20378	1.383	ug/L #	91
70) 1,2,3-Trichlorobenzene	15.55	180	11935	1.702	ug/L	100

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

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