

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013318.D
 Acq On : 27 Sep 2019 12:22
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Quant Time: Sep 28 04:21:06 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	392870	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345340	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	165661	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122823	26.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.88%
7) Chloroethane-d5	2.88	69	95174	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.24%
10) 1,1-Dichloroethene-d2	4.01	63	183658	19.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.64%
20) 2-Butanone-d5	7.08	46	104815	64.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.48%
24) Chloroform-d	7.65	84	214054	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	8.31	65	120751	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.92%
29) Benzene-d6	8.27	84	484780	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	9.27	67	140999	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
37) Toluene-d8	10.32	98	448845	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.68%
38) trans-1,3-Dichloropropene-	10.58	79	60750	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.80%
39) 2-Hexanone-d5	10.93	63	72898	59.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124813	26.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	151552	25.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	3019m	1.228	ug/L	
3) Chloromethane	2.21	50	6455	1.959	ug/L	95
5) Vinyl chloride	2.35	62	9095	1.996	ug/L #	73
6) Bromomethane	2.78	94	5651	1.951	ug/L	91
8) Chloroethane	2.92	64	4824m	1.745	ug/L	
9) Trichlorofluoromethane	3.26	101	5052	1.789	ug/L #	50
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10605m	2.376	ug/L	
12) 1,1-Dichloroethene	4.04	96	9430	2.082	ug/L #	1
13) Acetone	4.14	43	7896m	5.859	ug/L	
14) Carbon disulfide	4.38	76	22743	1.769	ug/L	99
15) Methyl Acetate	4.67	43	5707m	2.195	ug/L	
16) Methylene chloride	4.92	84	21420	3.649	ug/L	89
17) Methyl tert-butyl Ether	5.42	73	14641	1.869	ug/L #	84
18) trans-1,2-Dichloroethene	5.42	96	9062	1.871	ug/L	86
19) 1,1-Dichloroethane	6.21	63	15604	1.837	ug/L	95
21) 2-Butanone	7.18	43	12388	6.382	ug/L #	65
22) cis-1,2-Dichloroethene	7.17	96	9919	1.880	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4583	1.930	ug/L	87
25) Chloroform	7.67	83	16642	1.994	ug/L	77
27) 1,2-Dichloroethane	8.40	62	10351	1.893	ug/L	99
30) Cyclohexane	7.95	56	15013	1.810	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	12481	1.883	ug/L #	80
32) Carbon tetrachloride	8.07	117	12236	1.936	ug/L	99
34) Benzene	8.32	78	37097	1.916	ug/L	100
35) Trichloroethene	9.09	95	9856	1.938	ug/L	98
36) Methylcyclohexane	9.34	83	17270	1.906	ug/L	97
40) 1,2-Dichloropropane	9.37	63	9280	1.948	ug/L	99
41) Bromodichloromethane	9.64	83	11210	1.918	ug/L	92
42) cis-1,3-Dichloropropene	10.07	75	13400	1.761	ug/L	90
43) 4-Methyl-2-pentanone	10.21	43	16994	4.660	ug/L	97
44) Toluene	10.39	91	41506	1.969	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	11214m	1.834	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	6912	1.852	ug/L	94
47) Tetrachloroethene	10.87	164	9210	2.012	ug/L	92
49) 2-Hexanone	10.97	43	10942	4.175	ug/L	99
50) Dibromochloromethane	11.13	129	8190	1.913	ug/L	91
51) 1,2-Dibromoethane	11.24	107	7417	2.023	ug/L #	93
52) Chlorobenzene	11.66	112	25193	1.897	ug/L	94
53) Ethylbenzene	11.73	91	43362	1.856	ug/L	92
54) m,p-Xylene	11.83	106	17011	1.896	ug/L	86
55) o-xylene	12.16	106	14976	1.769	ug/L	93
56) Styrene	12.18	104	24920	1.717	ug/L	95
57) Isopropylbenzene	12.46	105	41044	1.793	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	8879	1.931	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	7431	2.166	ug/L	99
62) Bromoform	12.35	173	4718	1.800	ug/L #	87
63) 1,3-Dichlorobenzene	13.50	146	19333	1.897	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	20081	1.950	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	18360	1.980	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	1735	2.375	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	13641	1.738	ug/L	94
68) 1,2,4-trichlorobenzene	15.13	180	10237	1.634	ug/L	99
69) Naphthalene	15.36	128	17460	1.459	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.55	180	9554	1.677	ug/L	98

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

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