

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013321.D
 Acq On : 27 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Quant Time: Sep 28 04:28:21 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	476640	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423810	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210406	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132786	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
7) Chloroethane-d5	2.89	69	105808	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.02	63	205596	18.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.48%
20) 2-Butanone-d5	7.07	46	99795	50.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.60%
24) Chloroform-d	7.65	84	255004	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	145319	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.27	84	559113	24.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.20%
33) 1,2-Dichloropropane-d6	9.27	67	168232	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	525970	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.08%
38) trans-1,3-Dichloropropene-	10.58	79	75326	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.93	63	77881	51.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145705	25.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	190205	25.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4060m	1.361	ug/L	
3) Chloromethane	2.21	50	7810	1.954	ug/L	84
5) Vinyl chloride	2.36	62	10292	1.862	ug/L #	67
6) Bromomethane	2.77	94	6562	1.867	ug/L	98
8) Chloroethane	2.92	64	6221	1.855	ug/L	94
9) Trichlorofluoromethane	3.26	101	5213	1.522	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	12589	2.325	ug/L #	78
12) 1,1-Dichloroethene	4.04	96	11669	2.124	ug/L #	1
13) Acetone	4.13	43	11250m	6.881	ug/L	
14) Carbon disulfide	4.38	76	28842	1.849	ug/L	100
15) Methyl Acetate	4.68	43	6325m	2.005	ug/L	
16) Methylene chloride	4.92	84	20907	2.936	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	19720	2.075	ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	11595	1.974	ug/L	90
19) 1,1-Dichloroethane	6.21	63	21087	2.046	ug/L	93
21) 2-Butanone	7.17	43	12026m	5.107	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13221	2.065	ug/L	94

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

23) Bromochloromethane	7.51	128	5792	2.011	ug/L	97
25) Chloroform	7.67	83	21265	2.100	ug/L	92
27) 1,2-Dichloroethane	8.40	62	13817	2.083	ug/L #	89
30) Cyclohexane	7.95	56	19038	1.870	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	15723	1.933	ug/L #	87
32) Carbon tetrachloride	8.07	117	14919	1.924	ug/L	98
34) Benzene	8.32	78	48293	2.033	ug/L	100
35) Trichloroethene	9.09	95	13048	2.090	ug/L	99
36) Methylcyclohexane	9.34	83	20792	1.870	ug/L	95
40) 1,2-Dichloropropane	9.37	63	12406	2.122	ug/L	98
41) Bromodichloromethane	9.65	83	14543	2.028	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	18039	1.932	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	21516	4.808	ug/L	95
44) Toluene	10.38	91	53347	2.062	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	17205m	2.292	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	10017	2.187	ug/L	95
47) Tetrachloroethene	10.86	164	11176	1.990	ug/L	96
49) 2-Hexanone	10.97	43	11880	3.693	ug/L #	90
50) Dibromochloromethane	11.13	129	10694	2.036	ug/L	99
51) 1,2-Dibromoethane	11.24	107	9490	2.109	ug/L #	94
52) Chlorobenzene	11.66	112	34211	2.099	ug/L	99
53) Ethylbenzene	11.73	91	56335	1.965	ug/L	98
54) m,p-Xylene	11.84	106	21847	1.984	ug/L	89
55) o-xylene	12.16	106	19899	1.915	ug/L	90
56) Styrene	12.18	104	33753	1.895	ug/L	98
57) Isopropylbenzene	12.46	105	54760	1.949	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12139	2.151	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	9204	2.186	ug/L	99
62) Bromoform	12.35	173	6643	1.996	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	26865	2.075	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	27256	2.083	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	24547	2.084	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1673	1.803	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	19524	1.959	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	14103	1.772	ug/L	99
69) Naphthalene	15.37	128	23070	1.518	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	13120	1.813	ug/L	97

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

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