

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013316.D
 Acq On : 27 Sep 2019 11:30
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Quant Time: Sep 28 04:16:28 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	394930	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344664	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	165715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119140	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.20%
7) Chloroethane-d5	2.89	69	92131	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
10) 1,1-Dichloroethene-d2	4.01	63	181140	19.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.16%
20) 2-Butanone-d5	7.08	46	104231	64.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.08%
24) Chloroform-d	7.65	84	207309	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	117212	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.44%
29) Benzene-d6	8.27	84	461400	24.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.60%
33) 1,2-Dichloropropane-d6	9.27	67	134340	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	431982	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.04%
38) trans-1,3-Dichloropropene-	10.58	79	58437	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	10.93	63	73095	59.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121498	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	146472	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3382m	1.368	ug/L	
3) Chloromethane	2.21	50	6538	1.974	ug/L	93
5) Vinyl chloride	2.36	62	9476	2.069	ug/L #	66
6) Bromomethane	2.78	94	5694	1.955	ug/L	90
8) Chloroethane	2.93	64	5564	2.003	ug/L	99
9) Trichlorofluoromethane	3.26	101	5589	1.969	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10381m	2.314	ug/L	
12) 1,1-Dichloroethene	4.04	96	10194m	2.239	ug/L	
13) Acetone	4.14	43	9452	6.977	ug/L	97
14) Carbon disulfide	4.38	76	24593	1.903	ug/L	100
15) Methyl Acetate	4.67	43	6041	2.311	ug/L #	76
16) Methylene chloride	4.92	84	24579	4.166	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	15335	1.947	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	10014	2.057	ug/L	90
19) 1,1-Dichloroethane	6.21	63	17008	1.992	ug/L	95
21) 2-Butanone	7.18	43	12713m	6.515	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	10381	1.957	ug/L	97

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

23) Bromochloromethane	7.51	128	4579	1.918	ug/L	83
25) Chloroform	7.68	83	16266	1.938	ug/L	86
27) 1,2-Dichloroethane	8.40	62	11624	2.115	ug/L #	91
30) Cyclohexane	7.95	56	16855	2.036	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	13586	2.054	ug/L	99
32) Carbon tetrachloride	8.07	117	12342	1.957	ug/L	98
34) Benzene	8.32	78	39409m	2.040	ug/L	
35) Trichloroethene	9.09	95	10512	2.071	ug/L	97
36) Methylcyclohexane	9.33	83	18251	2.018	ug/L	97
40) 1,2-Dichloropropane	9.37	63	10079	2.120	ug/L	99
41) Bromodichloromethane	9.64	83	11265	1.931	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	14321	1.886	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	19007	5.223	ug/L	99
44) Toluene	10.38	91	43573	2.071	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	12501	2.048	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	7780	2.089	ug/L	86
47) Tetrachloroethene	10.87	164	8932	1.955	ug/L	93
49) 2-Hexanone	10.97	43	12157	4.647	ug/L	98
50) Dibromochloromethane	11.13	129	8221	1.924	ug/L	97
51) 1,2-Dibromoethane	11.24	107	7817	2.136	ug/L #	93
52) Chlorobenzene	11.66	112	27469	2.072	ug/L	97
53) Ethylbenzene	11.73	91	45389	1.946	ug/L	97
54) m,p-Xylene	11.84	106	17341	1.937	ug/L	98
55) o-xylene	12.16	106	16233	1.921	ug/L	94
56) Styrene	12.18	104	26127	1.803	ug/L	93
57) Isopropylbenzene	12.46	105	41561	1.819	ug/L #	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	9369	2.042	ug/L #	89
59) 1,2,3-Trichloropropane	12.77	75	7460	2.179	ug/L	90
62) Bromoform	12.35	173	4933	1.882	ug/L	91
63) 1,3-Dichlorobenzene	13.50	146	19911	1.953	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	21198	2.057	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	18569	2.001	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	1683	2.303	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	15071	1.920	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	10517	1.678	ug/L	99
69) Naphthalene	15.37	128	18021	1.505	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	9857	1.729	ug/L	99

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

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