

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091219\
 Data File : VW012927.D
 Acq On : 12 Sep 2019 10:56
 Operator : SY/VA
 Sample : VSTD2.501
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:33:11 AM

Quant Time: Sep 12 12:47:54 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M

Quant Title : VOC Analysis

QLast Update : Thu Sep 12 12:18:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	443518	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	389319	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190534	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	11923	1.91	ug/L	0.00
7) Chloroethane-d5	2.89	69	9952	2.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	28017	1.96	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8478	3.01	ug/L	0.00
24) Chloroform-d	7.64	84	31440	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	17102	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	54157	2.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17913	2.27	ug/L	0.00
37) Toluene-d8	10.32	98	50860	2.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	7491	2.16	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6271	3.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13678	2.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20111	2.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6235m	1.254 ug/L	
3) Chloromethane	2.21	50	10908	1.687 ug/L	99
5) Vinyl chloride	2.35	62	13725	1.664 ug/L	94
6) Bromomethane	2.78	94	8465	2.177 ug/L	99
8) Chloroethane	2.92	64	8888	2.060 ug/L	86
9) Trichlorofluoromethane	3.26	101	7330	1.744 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	13018m	2.043 ug/L	
12) 1,1-Dichloroethene	4.04	96	12869	2.020 ug/L	92
13) Acetone	4.13	43	7121	2.364 ug/L	66
14) Carbon disulfide	4.38	76	35488	1.711 ug/L	98
15) Methyl Acetate	4.67	43	6672	1.355 ug/L #	89
16) Methylene chloride	4.92	84	18079	2.612 ug/L	90
17) Methyl tert-butyl Ether	5.41	73	22662	2.136 ug/L #	76
18) trans-1,2-Dichloroethene	5.42	96	13889	2.110 ug/L	98
19) 1,1-Dichloroethane	6.21	63	26352	2.004 ug/L	98
21) 2-Butanone	7.17	43	9105	2.411 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	13884	2.016 ug/L	90
23) Bromochloromethane	7.51	128	6257	2.136 ug/L	95
25) Chloroform	7.67	83	27724	2.288 ug/L	99
27) 1,2-Dichloroethane	8.40	62	18388	2.050 ug/L	96
30) Cyclohexane	7.95	56	23593	1.743 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	22040	2.323 ug/L	99
32) Carbon tetrachloride	8.06	117	19786	2.217 ug/L	100
34) Benzene	8.32	78	58019	2.127 ug/L	100
35) Trichloroethene	9.09	95	14970	2.161 ug/L	97
36) Methylcyclohexane	9.33	83	25362	2.018 ug/L	96
40) 1,2-Dichloropropane	9.37	63	14913	2.048 ug/L #	94
41) Bromodichloromethane	9.65	83	17986	2.093 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	20872	1.916 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	17566	2.662 ug/L	100

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

44) Toluene	10.38	91	60621	2.187	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	17119	1.889	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	9676	1.949	ug/L	95
47) Tetrachloroethene	10.86	164	13845	2.617	ug/L	93
49) 2-Hexanone	10.97	43	12633	2.485	ug/L #	97
50) Dibromochloromethane	11.13	129	10973	2.005	ug/L	87
51) 1,2-Dibromoethane	11.23	107	9325	1.930	ug/L #	96
52) Chlorobenzene	11.65	112	38841	2.323	ug/L	99
53) Ethylbenzene	11.73	91	68785	2.225	ug/L	100
54) m,p-Xylene	11.84	106	25872	2.302	ug/L	97
55) o-xylene	12.16	106	24445	2.311	ug/L	89
56) Styrene	12.18	104	40950	2.277	ug/L	96
57) Isopropylbenzene	12.46	105	65140	2.238	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	11198	1.697	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	9124	1.793	ug/L	90
62) Bromoform	12.35	173	6212	1.822	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	29913	2.313	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	30085	2.317	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	27255	2.328	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	2055	1.696	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	22515	2.365	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16731	2.183	ug/L	98
69) Naphthalene	15.36	128	23919	1.549	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	15340	2.161	ug/L	98

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

