

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101019\
 Data File : VW013516.D
 Acq On : 10 Oct 2019 11:14
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.502

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 1:01:17 AM

Quant Time: Oct 10 14:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 10 14:04:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	485531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	420364	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	206117	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14480	2.50	ug/L	0.00
7) Chloroethane-d5	2.89	69	11022	2.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	28178	2.47	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9485	4.74	ug/L	0.01
24) Chloroform-d	7.65	84	27563	2.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14197	2.40	ug/L	0.00
29) Benzene-d6	8.27	84	59022	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17115	2.52	ug/L	0.00
37) Toluene-d8	10.32	98	54436	2.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7256	2.37	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5910	3.97	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13603	2.36	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	19617	2.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3360	1.106 ug/L	91
3) Chloromethane	2.21	50	9389	2.306 ug/L	84
5) Vinyl chloride	2.35	62	13057	2.319 ug/L	93
6) Bromomethane	2.78	94	7997	2.234 ug/L	95
8) Chloroethane	2.92	64	8155	2.387 ug/L	87
9) Trichlorofluoromethane	3.26	101	6337	1.816 ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	12619	2.288 ug/L	98
12) 1,1-Dichloroethene	4.04	96	12648	2.260 ug/L	93
13) Acetone	4.13	43	11100	6.665 ug/L	95
14) Carbon disulfide	4.39	76	37445	2.357 ug/L	99
15) Methyl Acetate	4.68	43	6453	2.008 ug/L	99
16) Methylene chloride	4.92	84	17891	2.466 ug/L	91
17) Methyl tert-butyl Ether	5.42	73	21646	2.236 ug/L #	89
18) trans-1,2-Dichloroethene	5.43	96	13968	2.334 ug/L	83
19) 1,1-Dichloroethane	6.22	63	23604	2.249 ug/L	97
21) 2-Butanone	7.18	43	12440m	5.186 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	14512	2.225 ug/L	93
23) Bromochloromethane	7.51	128	6796	2.316 ug/L	92
25) Chloroform	7.68	83	23977	2.324 ug/L	99
27) 1,2-Dichloroethane	8.40	62	14792	2.189 ug/L #	91
30) Cyclohexane	7.96	56	22962	2.274 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	18631	2.309 ug/L	98
32) Carbon tetrachloride	8.07	117	17373	2.258 ug/L	98
34) Benzene	8.32	78	55382	2.350 ug/L	100
35) Trichloroethene	9.10	95	15400	2.487 ug/L	94
36) Methylcyclohexane	9.34	83	26359	2.390 ug/L	99
40) 1,2-Dichloropropane	9.37	63	13653	2.355 ug/L	99
41) Bromodichloromethane	9.65	83	15761	2.216 ug/L #	91
42) cis-1,3-Dichloropropene	10.07	75	20086	2.169 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	20446	4.606 ug/L	97

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44) Toluene	10.39	91	59598	2.323	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	15120	2.031	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	10029	2.208	ug/L	94
47) Tetrachloroethene	10.86	164	13286	2.385	ug/L	97
49) 2-Hexanone	10.97	43	11739	3.679	ug/L	97
50) Dibromochloromethane	11.13	129	11479	2.203	ug/L	99
51) 1,2-Dibromoethane	11.24	107	9567	2.144	ug/L #	98
52) Chlorobenzene	11.66	112	37288	2.306	ug/L	97
53) Ethylbenzene	11.73	91	65554	2.305	ug/L	99
54) m,p-Xylene	11.83	106	25854	2.367	ug/L	99
55) o-xylene	12.16	106	23352	2.266	ug/L	98
56) Styrene	12.18	104	38130	2.158	ug/L	100
57) Isopropylbenzene	12.46	105	65729	2.359	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	12.71	83	11878	2.122	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	9222	2.208	ug/L	96
62) Bromoform	12.35	173	6879	2.110	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	29696	2.341	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	29739	2.321	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	26327	2.281	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	1697	1.867	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	21047	2.155	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	16424	2.107	ug/L	96
69) Naphthalene	15.37	128	25670	1.724	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	14360	2.025	ug/L	97

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

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