

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072219\
 Data File : VW011415.D
 Acq On : 22 Jul 2019 12:17
 Operator : SY/VA
 Sample : VSTD2.504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 4:14:54 PM

Quant Time: Jul 22 13:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 22 13:42:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	507705	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	443930	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210669	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17733	2.29	ug/L	0.00
7) Chloroethane-d5	2.89	69	12559	2.31	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	38075	2.32	ug/L	0.00
20) 2-Butanone-d5	7.07	46	15285	5.01	ug/L	0.00
24) Chloroform-d	7.65	84	32686	2.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20286	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	68097	2.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21979	2.47	ug/L	0.00
37) Toluene-d8	10.32	98	59813	2.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	9105	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8742	4.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17977	2.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20704	2.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	13149	2.106	ug/L 95
3) Chloromethane	2.21	50	18695	2.758	ug/L 96
5) Vinyl chloride	2.36	62	21164	2.392	ug/L 94
6) Bromomethane	2.78	94	10704	2.586	ug/L 99
8) Chloroethane	2.93	64	11103	2.483	ug/L 92
9) Trichlorofluoromethane	3.26	101	9369	3.093	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	15634	2.316	ug/L 97
12) 1,1-Dichloroethene	4.04	96	15725	2.357	ug/L 87
13) Acetone	4.12	43	17032	5.710	ug/L 99
14) Carbon disulfide	4.38	76	50603	2.651	ug/L 99
15) Methyl Acetate	4.67	43	10668	2.198	ug/L 98
16) Methylene chloride	4.92	84	19417	2.603	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	26017	2.514	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	16441	2.439	ug/L 95
19) 1,1-Dichloroethane	6.21	63	32941	2.407	ug/L 97
21) 2-Butanone	7.17	43	20067m	5.211	ug/L
22) cis-1,2-Dichloroethene	7.17	96	17530	2.402	ug/L 93
23) Bromochloromethane	7.52	128	7498	2.449	ug/L 77
25) Chloroform	7.68	83	31384	2.421	ug/L 98
27) 1,2-Dichloroethane	8.40	62	22448	2.265	ug/L 96
30) Cyclohexane	7.95	56	33508	2.483	ug/L 98
31) 1,1,1-Trichloroethane	7.87	97	23900	2.594	ug/L 99
32) Carbon tetrachloride	8.07	117	21330	2.468	ug/L 98
34) Benzene	8.32	78	70080	2.526	ug/L 100
35) Trichloroethene	9.09	95	17756	2.536	ug/L 98
36) Methylcyclohexane	9.34	83	31548	2.504	ug/L 98
40) 1,2-Dichloropropane	9.37	63	18604	2.447	ug/L # 97
41) Bromodichloromethane	9.65	83	21216	2.420	ug/L 100
42) cis-1,3-Dichloropropene	10.07	75	26041	2.321	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	31527	4.473	ug/L 99

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

44) Toluene	10.39	91	69178	2.409	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	21441	2.310	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	12554	2.385	ug/L	94
47) Tetrachloroethene	10.86	164	13322	2.518	ug/L	99
49) 2-Hexanone	10.97	43	22506	4.387	ug/L	98
50) Dibromochloromethane	11.13	129	13239	2.361	ug/L	99
51) 1,2-Dibromoethane	11.23	107	11839	2.329	ug/L #	99
52) Chlorobenzene	11.66	112	43025	2.452	ug/L	98
53) Ethylbenzene	11.73	91	78666	2.415	ug/L	100
54) m,p-Xylene	11.84	106	28861	2.440	ug/L	100
55) o-xylene	12.16	106	27074	2.406	ug/L	96
56) Styrene	12.18	104	43003	2.228	ug/L	99
57) Isopropylbenzene	12.46	105	72243	2.352	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	16256	2.321	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	12557	2.335	ug/L	98
62) Bromoform	12.35	173	7588	2.417	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	32128	2.479	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	33461	2.522	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	30418	2.521	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	2915	2.461	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	24558	2.501	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	19864	2.414	ug/L	99
69) Naphthalene	15.37	128	38251	2.220	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	18623	2.474	ug/L	100

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

