

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101819\
 Data File : VW013615.D
 Acq On : 18 Oct 2019 10:23
 Operator : SY/VA
 Sample : VSTD00504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 2:45:07 PM

Quant Time: Oct 18 11:46:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 11:37:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	334891	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322934	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	21424	5.59	ug/L	0.00
7) Chloroethane-d5	2.89	69	21952	7.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	42256	5.31	ug/L	0.00
20) 2-Butanone-d5	7.07	46	14365	12.44	ug/L	0.00
24) Chloroform-d	7.65	84	49766	6.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	25920	6.88	ug/L	0.00
29) Benzene-d6	8.27	84	106996	6.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30863	6.01	ug/L	0.00
37) Toluene-d8	10.32	98	97783	5.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12791	5.59	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	11117	10.83	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	25417	6.18	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	35931	5.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	8487	4.651	ug/L 93
3) Chloromethane	2.21	50	9717	3.031	ug/L 88
5) Vinyl chloride	2.37	62	11985	2.642	ug/L 91
6) Bromomethane	2.78	94	9038	3.253	ug/L 97
8) Chloroethane	2.93	64	8613	3.385	ug/L 94
9) Trichlorofluoromethane	3.26	101	9056	3.829	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	14166m	3.375	ug/L
12) 1,1-Dichloroethene	4.05	96	12807	3.046	ug/L 75
13) Acetone	4.13	43	10317m	7.775	ug/L
14) Carbon disulfide	4.39	76	33294	2.595	ug/L 100
15) Methyl Acetate	4.67	43	6565m	3.172	ug/L
16) Methylene chloride	4.93	84	19253	3.796	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	17185	2.544	ug/L # 66
18) trans-1,2-Dichloroethene	5.43	96	13832	3.083	ug/L 93
19) 1,1-Dichloroethane	6.21	63	24493	3.252	ug/L 97
21) 2-Butanone	7.17	43	11429m	7.041	ug/L
22) cis-1,2-Dichloroethene	7.17	96	15090	3.145	ug/L 94
23) Bromochloromethane	7.51	128	7273m	3.385	ug/L
25) Chloroform	7.68	83	24935	3.356	ug/L 97
27) 1,2-Dichloroethane	8.40	62	15643	3.329	ug/L 95
30) Cyclohexane	7.96	56	21955	2.586	ug/L 98
31) 1,1,1-Trichloroethane	7.87	97	18757	2.884	ug/L 98
32) Carbon tetrachloride	8.07	117	17842	2.860	ug/L 100
34) Benzene	8.32	78	58061	2.976	ug/L 100
35) Trichloroethene	9.09	95	14968	2.941	ug/L 100
36) Methylcyclohexane	9.34	83	25157	2.718	ug/L 96
40) 1,2-Dichloropropane	9.37	63	14546	3.095	ug/L 99
41) Bromodichloromethane	9.65	83	16545	2.866	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	19974	2.649	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	19283	5.880	ug/L 95

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

44) Toluene	10.39	91	61241	2.897	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	16617	2.791	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	10160	2.848	ug/L	96
47) Tetrachloroethene	10.86	164	14504	3.127	ug/L	92
49) 2-Hexanone	10.97	43	13335	5.595	ug/L	96
50) Dibromochloromethane	11.13	129	12184	2.901	ug/L	99
51) 1,2-Dibromoethane	11.24	107	10440	2.979	ug/L	89
52) Chlorobenzene	11.66	112	40107	2.989	ug/L	98
53) Ethylbenzene	11.73	91	67383	2.879	ug/L	95
54) m,p-Xylene	11.84	106	25637	2.808	ug/L	99
55) o-xylene	12.16	106	23949	2.810	ug/L	93
56) Styrene	12.18	104	39168	2.699	ug/L	98
57) Isopropylbenzene	12.46	105	62884	2.720	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	12748	3.024	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	9509	3.021	ug/L	97
62) Bromoform	12.35	173	7327	2.338	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	31499	2.412	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	31763	2.444	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	29392	2.503	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	23263	2.360	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	18438	2.257	ug/L	96
69) Naphthalene	15.37	128	30272	2.035	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	16305	2.241	ug/L	97

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

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