

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091219\
 Data File : VW012928.D
 Acq On : 12 Sep 2019 11:22
 Operator : SY/VA
 Sample : VSTD00502
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:33:15 AM

Quant Time: Sep 12 12:29:17 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	414924	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	369899	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181571	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	22179	3.80	ug/L	0.00
7) Chloroethane-d5	2.89	69	17198	4.09	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	50634m	3.78	ug/L	0.00
20) 2-Butanone-d5	7.09	46	17523	6.66	ug/L	0.01
24) Chloroform-d	7.65	84	56494	4.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30889	4.58	ug/L	0.00
29) Benzene-d6	8.27	84	99971	4.30	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	33452	4.46	ug/L	0.00
37) Toluene-d8	10.32	98	95533	4.63	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14614	4.44	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	12777	7.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26201	4.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	38406	5.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	10316m	2.218	ug/L
3) Chloromethane	2.21	50	19975	3.302	ug/L
5) Vinyl chloride	2.35	62	26441	3.426	ug/L
6) Bromomethane	2.77	94	16146	4.438	ug/L
8) Chloroethane	2.92	64	15617	3.869	ug/L
9) Trichlorofluoromethane	3.25	101	14173	3.605	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	23259	3.903	ug/L #
12) 1,1-Dichloroethene	4.04	96	23773	3.989	ug/L
13) Acetone	4.13	43	13243	4.700	ug/L
14) Carbon disulfide	4.38	76	67832	3.495	ug/L
15) Methyl Acetate	4.67	43	13243m	2.875	ug/L
16) Methylene chloride	4.92	84	30141	4.655	ug/L
17) Methyl tert-butyl Ether	5.42	73	45101	4.545	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	25228	4.097	ug/L
19) 1,1-Dichloroethane	6.22	63	49594	4.032	ug/L
21) 2-Butanone	7.18	43	18043	5.108	ug/L
22) cis-1,2-Dichloroethene	7.17	96	28791	4.470	ug/L
23) Bromochloromethane	7.51	128	12975	4.734	ug/L
25) Chloroform	7.68	83	51480	4.541	ug/L
27) 1,2-Dichloroethane	8.40	62	34853	4.153	ug/L #
30) Cyclohexane	7.95	56	46870	3.645	ug/L
31) 1,1,1-Trichloroethane	7.87	97	41873	4.646	ug/L
32) Carbon tetrachloride	8.07	117	38109	4.494	ug/L
34) Benzene	8.32	78	110768	4.273	ug/L
35) Trichloroethene	9.09	95	29315	4.455	ug/L
36) Methylcyclohexane	9.34	83	47918	4.014	ug/L
40) 1,2-Dichloropropane	9.37	63	27773	4.014	ug/L
41) Bromodichloromethane	9.65	83	35348	4.329	ug/L
42) cis-1,3-Dichloropropene	10.07	75	42926	4.148	ug/L
43) 4-Methyl-2-pentanone	10.21	43	35791	5.709	ug/L

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

44) Toluene	10.38	91	117286	4.454	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	34737	4.034	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	19459	4.125	ug/L	96
47) Tetrachloroethene	10.86	164	25178	5.009	ug/L	97
49) 2-Hexanone	10.97	43	27229	5.637	ug/L	99
50) Dibromochloromethane	11.13	129	22427	4.313	ug/L	92
51) 1,2-Dibromoethane	11.23	107	18175	3.959	ug/L #	96
52) Chlorobenzene	11.66	112	76211	4.797	ug/L	96
53) Ethylbenzene	11.73	91	134032	4.564	ug/L	100
54) m,p-Xylene	11.83	106	50658	4.744	ug/L	98
55) o-xylene	12.16	106	46854	4.662	ug/L	98
56) Styrene	12.18	104	79345	4.644	ug/L	93
57) Isopropylbenzene	12.46	105	129367	4.679	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	22315	3.560	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	16652	3.444	ug/L	91
62) Bromoform	12.35	173	13286	4.090	ug/L	95
63) 1,3-Dichlorobenzene	13.50	146	57936	4.701	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	59599	4.816	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	53858	4.826	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	3420	2.961	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	44695	4.928	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	33538	4.591	ug/L	96
69) Naphthalene	15.36	128	52666	3.580	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	30140	4.455	ug/L	98

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

