

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015288.D
 Acq On : 22 Apr 2020 03:10
 Operator : SY/VA
 Sample : L2314-17MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MS

Quant Time: Apr 22 06:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	1533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	3904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	3907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	4276	341.10	ug/l	0.00
Spiked Amount			Recovery	=	682.20%	
35) Dibromofluoromethane	7.89	113	2947	136.28	ug/l	0.00
Spiked Amount			Recovery	=	272.56%	
50) Toluene-d8	10.32	98	5125	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.62	95	1599	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	347	28.664	ug/l	95
3) Chloromethane	2.22	50	995	75.475	ug/l	97
4) Vinyl Chloride	2.37	62	625	40.148	ug/l #	75
5) Bromomethane	2.79	94	1039	93.868	ug/l	98
6) Chloroethane	2.93	64	792	82.018	ug/l #	82
7) Trichlorofluoromethane	3.28	101	843	38.268	ug/l	95
8) Diethyl Ether	3.70	74	3645	589.496	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	622	45.787	ug/l #	78
10) Methyl Iodide	4.29	142	136	9.532	ug/l #	41
11) Tert butyl alcohol	5.16	59	4760	4658.015	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	500	38.239	ug/l #	59
13) Acrolein	4.04	56	21	39.263	ug/l #	1
14) Allyl chloride	4.63	41	912	52.576	ug/l #	41
15) Acrylonitrile	5.38	53	6347	2697.325	ug/l	96
16) Acetone	4.13	43	10639	4858.934	ug/l	91
17) Carbon Disulfide	4.40	76	1208	31.088	ug/l #	76
18) Methyl Acetate	4.69	43	7932	1368.572	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	22596	752.791	ug/l	95
20) Methylene Chloride	4.93	84	4634	322.925	ug/l #	83
21) trans-1,2-Dichloroethene	5.44	96	718	48.417	ug/l #	76
22) Diisopropyl ether	6.32	45	16452	494.392	ug/l	96
23) Vinyl Acetate	6.32	43	8890	455.247	ug/l #	70
24) 1,1-Dichloroethane	6.23	63	3529	153.017	ug/l #	93
25) 2-Butanone	7.18	43	3933	1353.882	ug/l	97
26) 2,2-Dichloropropane	7.17	77	1646	67.840	ug/l	79
27) cis-1,2-Dichloroethene	7.17	96	2220	138.665	ug/l	95
28) Bromochloromethane	7.52	49	2421	288.725	ug/l #	63
29) Tetrahydrofuran	7.54	42	8231	4547.887	ug/l	88
30) Chloroform	7.68	83	4999	200.834	ug/l	98
31) Cyclohexane	7.96	56	1138	49.088	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	2146	89.330	ug/l	95
36) 1,1-Dichloropropene	8.09	75	628	17.823	ug/l	93
37) Ethyl Acetate	7.34	43	162	14.166	ug/l #	67
38) Carbon Tetrachloride	8.06	117	910	23.633	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1266	26.994	ug/l #	81
40) Benzene	8.33	78	8429	89.552	ug/l	95
41) Methacrylonitrile	7.54	41	7093	1033.745	ug/l #	46
42) 1,2-Dichloroethane	8.40	62	5154	186.004	ug/l	99
43) Isopropyl Acetate	8.45	43	81	3.377	ug/l #	50
44) Trichloroethene	9.10	130	1179	40.951	ug/l	84
45) 1,2-Dichloropropane	9.37	63	3389	154.829	ug/l	97
46) Dibromomethane	9.46	93	2417	190.890	ug/l	89
47) Bromodichloromethane	9.64	83	5090	150.377	ug/l	99
48) Methyl methacrylate	9.44	41	3955	348.823	ug/l #	88
49) 1,4-Dioxane	9.45	88	1849	10954.045	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	23534	2090.264	ug/l	97
52) Toluene	10.38	92	3510	53.283	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	2053	61.513	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	2486	64.083	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	4211	237.510	ug/l	97
56) Ethyl methacrylate	10.91	69	25	1.095	ug/l #	26
57) 1,3-Dichloropropane	10.93	76	5176	176.238	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	5776	545.460	ug/l	90
59) 2-Hexanone	10.97	43	8903	1107.753	ug/l	98
60) Dibromochloromethane	11.13	129	4133	176.552	ug/l	99
61) 1,2-Dibromoethane	11.24	107	2623	151.617	ug/l	100
64) Tetrachloroethene	10.86	164	1474	52.861	ug/l	90
65) Chlorobenzene	11.66	112	3572	46.592	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.73	131	4211	152.821	ug/l	95
67) Ethyl Benzene	11.73	91	4583	32.055	ug/l	90
68) m/p-Xylenes	11.84	106	3673	65.540	ug/l	95
69) o-Xylene	12.16	106	2946	56.319	ug/l	98
70) Styrene	12.18	104	2601	29.171	ug/l	92
71) Bromoform	12.35	173	2582	166.301	ug/l #	93
73) Isopropylbenzene	12.46	105	4844	63.168	ug/l	99
74) N-amyl acetate	12.26	43	100	7.496	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.71	83	4429	406.790	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3853	450.322	ug/l #	100
77) Bromobenzene	12.75	156	1579	89.624	ug/l	92
78) n-propylbenzene	12.80	91	2809	31.461	ug/l	98
79) 2-Chlorotoluene	12.89	91	3223	64.054	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	4194	63.491	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	126	32.192	ug/l #	50
82) 4-Chlorotoluene	12.99	91	2149	40.225	ug/l	97
83) tert-Butylbenzene	13.20	119	4190	72.573	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	4032	61.885	ug/l	96
85) sec-Butylbenzene	13.38	105	2880	36.120	ug/l	94
86) p-Isopropyltoluene	13.50	119	2654	35.821	ug/l	96
87) 1,3-Dichlorobenzene	13.50	146	1186	33.880	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	1221	35.583	ug/l	95
89) n-Butylbenzene	13.83	91	807	11.917	ug/l	90
90) Hexachloroethane	14.09	117	861	63.367	ug/l	66
91) 1,2-Dichlorobenzene	13.87	146	1865	61.310	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	490	248.690	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	180	8.513	ug/l #	48
94) Hexachlorobutadiene	15.24	225	189	13.408	ug/l #	26
95) Naphthalene	15.36	128	1380	40.574	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.56	180	382	22.205	ug/l	94

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

