

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012925.D
 Acq On : 11 Sep 2019 19:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:25 AM

Quant Time: Sep 12 08:30:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171495	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	136730	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
35) Dibromofluoromethane	7.88	113	119352	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	10.32	98	487947	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	169808	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	59872	41.585	ug/l	95
3) Chloromethane	2.21	50	79532	45.454	ug/l	94
4) Vinyl Chloride	2.35	62	110648	51.575	ug/l	98
5) Bromomethane	2.72	94	61722m	52.981	ug/l	
6) Chloroethane	2.89	64	68591	53.577	ug/l	100
7) Trichlorofluoromethane	3.24	101	64116	43.308	ug/l	100
8) Diethyl Ether	3.67	74	60196	48.378	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120479	51.857	ug/l	96
10) Methyl Iodide	4.26	142	155619	53.208	ug/l	97
11) Tert butyl alcohol	5.17	59	48153	212.097	ug/l	98
12) 1,1-Dichloroethene	4.03	96	109577	49.963	ug/l	95
13) Acrolein	3.89	56	43494	180.530	ug/l	94
14) Allyl chloride	4.65	41	209624	46.204	ug/l	98
15) Acrylonitrile	5.36	53	154396	212.444	ug/l	99
16) Acetone	4.12	43	133525	165.058	ug/l	98
17) Carbon Disulfide	4.37	76	213038	45.762	ug/l	100
18) Methyl Acetate	4.66	43	76159	40.127	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	223113	51.296	ug/l	95
20) Methylene Chloride	4.91	84	122888	48.556	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	115102	51.435	ug/l	88
22) Diisopropyl ether	6.31	45	455584	50.630	ug/l	98
23) Vinyl Acetate	6.25	43	1290146	226.237	ug/l	97
24) 1,1-Dichloroethane	6.21	63	245488	50.668	ug/l	97
25) 2-Butanone	7.16	43	203048	176.730	ug/l	99
26) 2,2-Dichloropropane	7.16	77	146915	48.010	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	140815	54.269	ug/l	96
28) Bromochloromethane	7.51	49	114357	51.403	ug/l	90
29) Tetrahydrofuran	7.52	42	132776	203.250	ug/l	96
30) Chloroform	7.67	83	247044	51.449	ug/l	98
31) Cyclohexane	7.95	56	197301	45.234	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	197572	50.760	ug/l	98
36) 1,1-Dichloropropene	8.08	75	177965	50.866	ug/l	98
37) Ethyl Acetate	7.24	43	91300	40.936	ug/l	98
38) Carbon Tetrachloride	8.06	117	178668	51.805	ug/l	97

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

39) Methylcyclohexane	9.33	83	202946	51.647	ug/l	96
40) Benzene	8.32	78	509840	52.522	ug/l	100
41) Methacrylonitrile	7.47	41	60838	40.886	ug/l	98
42) 1,2-Dichloroethane	8.40	62	162150	47.464	ug/l	98
43) Isopropyl Acetate	8.42	43	180156	42.636	ug/l	96
44) Trichloroethene	9.09	130	138662	55.416	ug/l	87
45) 1,2-Dichloropropane	9.37	63	138293	51.366	ug/l	97
46) Dibromomethane	9.46	93	63097	49.492	ug/l	96
47) Bromodichloromethane	9.64	83	183528	52.324	ug/l	99
48) Methyl methacrylate	9.43	41	86954	43.061	ug/l	99
49) 1,4-Dioxane	9.44	88	19157	760.708	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	472033	212.894	ug/l	97
52) Toluene	10.38	92	328636	54.243	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	184491	51.152	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	214074	52.321	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	98343	51.524	ug/l	98
56) Ethyl methacrylate	10.65	69	137929	49.367	ug/l	93
57) 1,3-Dichloropropane	10.93	76	175701	49.759	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	379661	255.965	ug/l	96
59) 2-Hexanone	10.97	43	319336	197.137	ug/l	98
60) Dibromochloromethane	11.13	129	119366	53.175	ug/l	99
61) 1,2-Dibromoethane	11.23	107	90195	51.543	ug/l	100
64) Tetrachloroethene	10.86	164	118137	56.495	ug/l	97
65) Chlorobenzene	11.65	112	358152	54.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	135890	56.022	ug/l	99
67) Ethyl Benzene	11.73	91	667788	54.643	ug/l	100
68) m/p-Xylenes	11.83	106	494336	112.064	ug/l	98
69) o-Xylene	12.16	106	231859	55.713	ug/l	98
70) Styrene	12.18	104	418576	56.919	ug/l	98
71) Bromoform	12.35	173	69419	51.511	ug/l #	99
73) Isopropylbenzene	12.46	105	673626	54.766	ug/l	99
74) N-amyl acetate	12.27	43	173617	44.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	112270	45.449	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	73842m	42.109	ug/l	
77) Bromobenzene	12.74	156	153818	55.197	ug/l	92
78) n-propylbenzene	12.80	91	793440	53.936	ug/l	99
79) 2-Chlorotoluene	12.89	91	452181	53.543	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	568842	54.883	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37218	44.889	ug/l	97
82) 4-Chlorotoluene	12.99	91	473087	52.960	ug/l	98
83) tert-Butylbenzene	13.21	119	505481	55.157	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	565996	54.195	ug/l	98
85) sec-Butylbenzene	13.38	105	689963	54.256	ug/l	99
86) p-Isopropyltoluene	13.50	119	635748	54.731	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	299754	54.726	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296619	54.422	ug/l	99
89) n-Butylbenzene	13.82	91	606255	53.760	ug/l	99
90) Hexachloroethane	14.09	117	110124	54.307	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	261351	53.012	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18858	41.716	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	191447	55.777	ug/l	97
94) Hexachlorobutadiene	15.24	225	130366	54.873	ug/l	97
95) Naphthalene	15.36	128	306582	43.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	159403	52.612	ug/l	99

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

