

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007799.D
 Acq On : 21 Dec 2018 17:12
 Operator : SY/AP
 Sample : VW1223SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:58:52 AM

Quant Time: Dec 22 00:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	133989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60097	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	42387	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	7.88	113	39620	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.32	98	155728	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	59302	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12646	17.009	ug/l	99
3) Chloromethane	2.21	50	9209	20.171	ug/l	94
4) Vinyl Chloride	2.37	62	11916	20.504	ug/l	97
5) Bromomethane	2.78	94	7692	19.003	ug/l	95
6) Chloroethane	2.92	64	6356	20.443	ug/l	96
7) Trichlorofluoromethane	3.24	101	8113	13.409	ug/l	98
8) Diethyl Ether	3.67	74	7651	20.645	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	16240	18.225	ug/l	98
10) Methyl Iodide	4.27	142	25184	17.772	ug/l	96
11) Tert butyl alcohol	5.17	59	5953	96.270	ug/l #	73
12) 1,1-Dichloroethene	4.03	96	15839	19.195	ug/l	94
13) Acrolein	3.88	56	4229	85.535	ug/l	100
14) Allyl chloride	4.65	41	21473	19.844	ug/l	95
15) Acrylonitrile	5.36	53	15533	98.257	ug/l	99
16) Acetone	4.12	43	16428	95.704	ug/l	97
17) Carbon Disulfide	4.37	76	42027	16.459	ug/l	99
18) Methyl Acetate	4.66	43	8252	20.214	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	24144	20.381	ug/l	98
20) Methylene Chloride	4.90	84	17187	15.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	17047	18.784	ug/l	97
22) Diisopropyl ether	6.31	45	42157	20.807	ug/l	98
23) Vinyl Acetate	6.25	43	121149	100.640	ug/l	96
24) 1,1-Dichloroethane	6.21	63	28877	19.373	ug/l	99
25) 2-Butanone	7.17	43	19866	98.807	ug/l	96
26) 2,2-Dichloropropane	7.17	77	20480	18.776	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18461	19.094	ug/l	97
28) Bromochloromethane	7.51	49	10466	20.594	ug/l	96
29) Tetrahydrofuran	7.53	42	12588	104.963	ug/l	96
30) Chloroform	7.67	83	31350	18.585	ug/l	95
31) Cyclohexane	7.95	56	27090	19.852	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	27486	17.891	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25220	19.502	ug/l	100
37) Ethyl Acetate	7.25	43	8781	19.675	ug/l	97
38) Carbon Tetrachloride	8.06	117	24951	16.382	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31889	19.844	ug/l	94
40) Benzene	8.32	78	67500	19.560	ug/l	99
41) Methacrylonitrile	7.48	41	5392	21.279	ug/l	93
42) 1,2-Dichloroethane	8.40	62	21274	18.395	ug/l	99
43) Isopropyl Acetate	8.43	43	18309	20.476	ug/l	97
44) Trichloroethene	9.09	130	19448	18.635	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15669	20.463	ug/l	100
46) Dibromomethane	9.46	93	8608	18.262	ug/l	97
47) Bromodichloromethane	9.64	83	21228	17.131	ug/l	96
48) Methyl methacrylate	9.43	41	9005	20.176	ug/l	96
49) 1,4-Dioxane	9.45	88	2917	390.322	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	42126	99.687	ug/l	98
52) Toluene	10.38	92	46667	20.155	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	23007	18.666	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26382	19.378	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	12582	19.362	ug/l	97
56) Ethyl methacrylate	10.65	69	15551	20.255	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21259	19.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	41749	119.099	ug/l	98
59) 2-Hexanone	10.97	43	30425	102.376	ug/l	98
60) Dibromochloromethane	11.13	129	14052	16.332	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12240	18.600	ug/l	99
64) Tetrachloroethene	10.86	164	16066	19.023	ug/l	98
65) Chlorobenzene	11.66	112	50616	19.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17076	18.513	ug/l	98
67) Ethyl Benzene	11.73	91	90440	20.417	ug/l	96
68) m/p-Xylenes	11.84	106	69650	40.533	ug/l	96
69) o-Xylene	12.17	106	33322	20.687	ug/l	98
70) Styrene	12.18	104	53367	20.156	ug/l	99
71) Bromoform	12.35	173	7590	15.851	ug/l #	97
73) Isopropylbenzene	12.47	105	93358	20.551	ug/l	98
74) N-amyl acetate	12.27	43	16622	21.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13445	19.740	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10458m	22.515	ug/l	
77) Bromobenzene	12.75	156	20606	19.793	ug/l	97
78) n-propylbenzene	12.80	91	108752	20.566	ug/l	100
79) 2-Chlorotoluene	12.90	91	63103	20.485	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	81536	20.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4180	18.890	ug/l	98
82) 4-Chlorotoluene	12.99	91	66931	20.406	ug/l	99
83) tert-Butylbenzene	13.21	119	71754	20.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	84298	21.320	ug/l	98
85) sec-Butylbenzene	13.39	105	98822	20.856	ug/l	99
86) p-Isopropyltoluene	13.50	119	90649	21.039	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	41196	19.930	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41100	19.878	ug/l	99
89) n-Butylbenzene	13.83	91	83596	21.161	ug/l	99
90) Hexachloroethane	14.10	117	12554	16.597	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	36673	19.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2347	16.779	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26841	20.894	ug/l	96
94) Hexachlorobutadiene	15.24	225	14375	20.938	ug/l	98
95) Naphthalene	15.38	128	52067	21.922	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	22407	20.376	ug/l	98

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

