

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009123.D
 Acq On : 12 Mar 2019 14:23
 Operator : SY/VA
 Sample : VW0312SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:17 PM

Quant Time: Mar 13 03:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164203	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	141540	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
35) Dibromofluoromethane	7.88	113	120847	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	10.32	98	540357	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
62) 4-Bromofluorobenzene	12.62	95	191833	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	52926	18.334	ug/l	97
3) Chloromethane	2.20	50	53461	14.578	ug/l	97
4) Vinyl Chloride	2.35	62	64405	17.306	ug/l	99
5) Bromomethane	2.78	94	57812	18.402	ug/l	98
6) Chloroethane	2.93	64	37255	14.061	ug/l	98
7) Trichlorofluoromethane	3.28	101	99542	20.773	ug/l	94
8) Diethyl Ether	3.68	74	27508	18.774	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	61237	20.519	ug/l	99
10) Methyl Iodide	4.28	142	21751	9.478	ug/l #	93
11) Tert butyl alcohol	5.14	59	26408	119.579	ug/l	95
12) 1,1-Dichloroethene	4.04	96	49728	19.317	ug/l	88
13) Acrolein	3.90	56	18464	75.979	ug/l	98
14) Allyl chloride	4.68	41	85941	18.925	ug/l	98
15) Acrylonitrile	5.36	53	60088	93.964	ug/l	99
16) Acetone	4.11	43	75419	115.971	ug/l	95
17) Carbon Disulfide	4.39	76	166794	19.257	ug/l	100
18) Methyl Acetate	4.66	43	25611	17.126	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	133463	19.598	ug/l	98
20) Methylene Chloride	4.92	84	60198	15.986	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	59022	19.856	ug/l	94
22) Diisopropyl ether	6.30	45	188683	20.908	ug/l	92
23) Vinyl Acetate	6.25	43	557341	99.247	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104984	20.057	ug/l	99
25) 2-Butanone	7.16	43	86403	96.136	ug/l	96
26) 2,2-Dichloropropane	7.17	77	99150	20.840	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62923	19.710	ug/l	97
28) Bromochloromethane	7.51	49	39342	18.070	ug/l	95
29) Tetrahydrofuran	7.52	42	51143	90.299	ug/l	100
30) Chloroform	7.67	83	110668	20.536	ug/l	98
31) Cyclohexane	7.95	56	108630	20.212	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	101714	20.452	ug/l	99
36) 1,1-Dichloropropene	8.08	75	89699	21.372	ug/l	99
37) Ethyl Acetate	7.24	43	37335	18.939	ug/l	99
38) Carbon Tetrachloride	8.07	117	93446	21.559	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103867	20.778	ug/l	95
40) Benzene	8.32	78	237466	21.195	ug/l	99
41) Methacrylonitrile	7.48	41	21275	19.434	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73213	20.241	ug/l	99
43) Isopropyl Acetate	8.41	43	71207	19.394	ug/l	99
44) Trichloroethene	9.09	130	66043	21.032	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60552	21.579	ug/l	99
46) Dibromomethane	9.45	93	30125	19.658	ug/l	98
47) Bromodichloromethane	9.64	83	81832	21.095	ug/l	99
48) Methyl methacrylate	9.43	41	32907	19.248	ug/l	96
49) 1,4-Dioxane	9.45	88	4035	183.871	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	178543	95.786	ug/l	98
52) Toluene	10.38	92	164133	21.602	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	79912	20.828	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	93185	21.135	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43778	21.077	ug/l	95
56) Ethyl methacrylate	10.65	69	50107	19.438	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76152	20.696	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	106284	79.531	ug/l	98
59) 2-Hexanone	10.97	43	123539	94.266	ug/l	98
60) Dibromochloromethane	11.13	129	53782	20.923	ug/l	97
61) 1,2-Dibromoethane	11.23	107	41075	20.172	ug/l	100
64) Tetrachloroethene	10.86	164	60924	21.571	ug/l	96
65) Chlorobenzene	11.66	112	182192	21.372	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	62817	22.069	ug/l	98
67) Ethyl Benzene	11.73	91	318011	20.650	ug/l	98
68) m/p-Xylenes	11.84	106	227629	37.447	ug/l	99
69) o-Xylene	12.16	106	105081	18.579	ug/l	99
70) Styrene	12.18	104	167494	18.303	ug/l	98
71) Bromoform	12.35	173	31353	20.515	ug/l #	96
73) Isopropylbenzene	12.46	105	305274	25.961	ug/l	100
74) N-amyl acetate	12.27	43	63067	22.656	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	50386	27.165	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	35997m	27.747	ug/l	
77) Bromobenzene	12.75	156	71377	26.566	ug/l	97
78) n-propylbenzene	12.80	91	324612	22.412	ug/l	99
79) 2-Chlorotoluene	12.90	91	195798	24.061	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	157201	15.509	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	13539	23.343	ug/l	98
82) 4-Chlorotoluene	12.99	91	189156	21.806	ug/l	98
83) tert-Butylbenzene	13.21	119	187299	21.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	144206	14.064	ug/l	98
85) sec-Butylbenzene	13.38	105	268437	21.194	ug/l	100
86) p-Isopropyltoluene	13.50	119	182379	16.097	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	127150	22.519	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	118211	21.185	ug/l	98
89) n-Butylbenzene	13.83	91	140641	13.057	ug/l	98
90) Hexachloroethane	14.10	117	53639	27.449	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	112136	22.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8385	25.382	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	40487	12.034	ug/l	99
94) Hexachlorobutadiene	15.24	225	49389	23.437	ug/l	98
95) Naphthalene	15.37	128	52472	9.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	34991	11.828	ug/l	98

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

