

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013187.D
 Acq On : 20 Sep 2019 17:33
 Operator : SY/VA
 Sample : VW0920SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:53 AM

Quant Time: Sep 21 05:11:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	131361	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	123860	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
50) Toluene-d8	10.32	98	518332	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.62	95	180184	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	37516	21.479	ug/l	95
3) Chloromethane	2.21	50	49322	21.967	ug/l	98
4) Vinyl Chloride	2.35	62	59098	20.416	ug/l	98
5) Bromomethane	2.74	94	38289	20.873	ug/l	93
6) Chloroethane	2.90	64	32974	19.326	ug/l	96
7) Trichlorofluoromethane	3.25	101	32304	19.354	ug/l	99
8) Diethyl Ether	3.67	74	28778	20.185	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55451	20.406	ug/l	96
10) Methyl Iodide	4.26	142	76755	18.218	ug/l	100
11) Tert butyl alcohol	5.13	59	41374m	231.837	ug/l	
12) 1,1-Dichloroethene	4.03	96	56537	20.092	ug/l	97
13) Acrolein	3.89	56	18392	129.284	ug/l	96
14) Allyl chloride	4.66	41	84298	18.823	ug/l	99
15) Acrylonitrile	5.37	53	75704	123.025	ug/l	98
16) Acetone	4.11	43	67315	120.787	ug/l	99
17) Carbon Disulfide	4.38	76	156432	19.233	ug/l	100
18) Methyl Acetate	4.67	43	39081	24.947	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	88546	20.531	ug/l	94
20) Methylene Chloride	4.91	84	61371	19.776	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	59113	19.436	ug/l	98
22) Diisopropyl ether	6.31	45	168379	19.772	ug/l	97
23) Vinyl Acetate	6.25	43	543340	107.545	ug/l	97
24) 1,1-Dichloroethane	6.21	63	98834	19.233	ug/l	99
25) 2-Butanone	7.16	43	105797	126.460	ug/l	99
26) 2,2-Dichloropropane	7.16	77	67554	19.969	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	61291	19.096	ug/l	96
28) Bromochloromethane	7.51	49	36567	18.540	ug/l #	99
29) Tetrahydrofuran	7.52	42	66164	128.959	ug/l	99
30) Chloroform	7.67	83	94413	18.766	ug/l	96
31) Cyclohexane	7.95	56	106453	19.873	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78926	19.369	ug/l	100
36) 1,1-Dichloropropene	8.08	75	83423	19.945	ug/l	99
37) Ethyl Acetate	7.25	43	44471	25.016	ug/l	100
38) Carbon Tetrachloride	8.07	117	73477	19.596	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106842	19.876	ug/l	95
40) Benzene	8.32	78	231074	19.806	ug/l	97
41) Methacrylonitrile	7.48	41	26657	25.125	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	64744	20.643	ug/l	99
43) Isopropyl Acetate	8.42	43	78749	23.113	ug/l	97
44) Trichloroethene	9.09	130	64440	19.686	ug/l	94
45) 1,2-Dichloropropane	9.37	63	54899	19.274	ug/l	97
46) Dibromomethane	9.46	93	28577	20.665	ug/l	97
47) Bromodichloromethane	9.64	83	66837	18.994	ug/l	97
48) Methyl methacrylate	9.43	41	37971	23.701	ug/l	98
49) 1,4-Dioxane	9.45	88	12109	583.339	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	215017	125.885	ug/l	99
52) Toluene	10.38	92	148234	19.825	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72657	20.098	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85809	19.521	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43364	20.979	ug/l	98
56) Ethyl methacrylate	10.65	69	61366	22.685	ug/l	98
57) 1,3-Dichloropropane	10.93	76	75232	20.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141787	113.220	ug/l	100
59) 2-Hexanone	10.96	43	151987	129.336	ug/l	99
60) Dibromochloromethane	11.13	129	47481	20.230	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42487	21.619	ug/l	99
64) Tetrachloroethene	10.86	164	56094	19.790	ug/l	93
65) Chlorobenzene	11.66	112	152873	19.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52392	19.659	ug/l	100
67) Ethyl Benzene	11.73	91	280175	19.822	ug/l	99
68) m/p-Xylenes	11.84	106	213355	39.613	ug/l	98
69) o-Xylene	12.16	106	98306	19.632	ug/l	100
70) Styrene	12.18	104	169388	19.703	ug/l	98
71) Bromoform	12.35	173	29419	20.895	ug/l #	99
73) Isopropylbenzene	12.46	105	280448	19.497	ug/l	100
74) N-amyl acetate	12.27	43	72776	22.801	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53467	22.226	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	41427m	24.091	ug/l	
77) Bromobenzene	12.74	156	65530	19.225	ug/l	95
78) n-propylbenzene	12.80	91	329362	19.562	ug/l	100
79) 2-Chlorotoluene	12.89	91	184057	19.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237434	19.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16857	21.997	ug/l	97
82) 4-Chlorotoluene	12.99	91	193368	19.440	ug/l	100
83) tert-Butylbenzene	13.21	119	207985	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	235228	19.550	ug/l	100
85) sec-Butylbenzene	13.38	105	290834	19.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	267857	19.738	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127087	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	127304	19.787	ug/l	99
89) n-Butylbenzene	13.82	91	245717	19.829	ug/l	99
90) Hexachloroethane	14.09	117	43242	18.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	113897	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9299	25.272	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	81608	20.067	ug/l	99
94) Hexachlorobutadiene	15.24	225	54262	19.503	ug/l	98
95) Naphthalene	15.36	128	150976	22.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71730	20.413	ug/l	99

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

