

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW101918\
 Data File : VW006224.D
 Acq On : 19 Oct 2018 14:54
 Operator : VA/AP
 Sample : VW1019SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1019SBS01

Quant Time: Oct 20 01:45:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	386098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	194323	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	103529	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	7.89	113	107455	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	10.33	98	411293	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.62	95	154738	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	23476	17.311	ug/l	98
3) Chloromethane	2.22	50	30149	17.271	ug/l	97
4) Vinyl Chloride	2.37	62	47077	18.884	ug/l	100
5) Bromomethane	2.79	94	44507	19.629	ug/l	100
6) Chloroethane	2.93	64	32930	18.432	ug/l	98
7) Trichlorofluoromethane	3.26	101	42560	18.326	ug/l	100
8) Diethyl Ether	3.68	74	22309	18.075	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51489	21.156	ug/l	99
10) Methyl Iodide	4.27	142	81697	20.168	ug/l	99
11) Tert butyl alcohol	5.20	59	13780	90.183	ug/l	99
12) 1,1-Dichloroethene	4.04	96	46812	20.444	ug/l	94
13) Acrolein	3.90	56	14445	97.697	ug/l	100
14) Allyl chloride	4.67	41	63124	19.281	ug/l	98
15) Acrylonitrile	5.37	53	43129	97.424	ug/l	99
16) Acetone	4.13	43	52475	115.125	ug/l	100
17) Carbon Disulfide	4.38	76	120910	17.496	ug/l	98
18) Methyl Acetate	4.68	43	21090	18.446	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	68621	19.676	ug/l	97
20) Methylene Chloride	4.91	84	57722	23.136	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	52370	20.491	ug/l	98
22) Diisopropyl ether	6.32	45	130861	20.226	ug/l	99
23) Vinyl Acetate	6.26	43	356575	93.388	ug/l	99
24) 1,1-Dichloroethane	6.22	63	86752	20.780	ug/l	99
25) 2-Butanone	7.18	43	65107	106.077	ug/l	100
26) 2,2-Dichloropropane	7.17	77	57907	19.667	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57800	20.494	ug/l	98
28) Bromochloromethane	7.51	49	28257	17.533	ug/l	99
29) Tetrahydrofuran	7.54	42	34820	92.294	ug/l	98
30) Chloroform	7.68	83	95090	20.906	ug/l	100
31) Cyclohexane	7.96	56	84889	20.419	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	83417	20.331	ug/l	99
36) 1,1-Dichloropropene	8.09	75	76819	21.586	ug/l	99
37) Ethyl Acetate	7.26	43	24484	18.517	ug/l	98
38) Carbon Tetrachloride	8.07	117	79070	20.268	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99429	21.019	ug/l	99
40) Benzene	8.33	78	209878	21.500	ug/l	98
41) Methacrylonitrile	7.49	41	14622	18.344	ug/l	94
42) 1,2-Dichloroethane	8.40	62	60637	21.142	ug/l	100
43) Isopropyl Acetate	8.43	43	50083	18.526	ug/l	99
44) Trichloroethene	9.09	130	63088	21.065	ug/l	94
45) 1,2-Dichloropropane	9.37	63	48485	20.756	ug/l	99
46) Dibromomethane	9.46	93	27243	20.462	ug/l	99
47) Bromodichloromethane	9.65	83	62574	19.385	ug/l	97
48) Methyl methacrylate	9.44	41	23696	18.491	ug/l	96
49) 1,4-Dioxane	9.46	88	7769	379.046	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	131623	97.173	ug/l	100
52) Toluene	10.39	92	139013	21.241	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58886	18.310	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	71792	19.451	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38022	20.408	ug/l	97
56) Ethyl methacrylate	10.65	69	44116	19.315	ug/l	99
57) 1,3-Dichloropropane	10.94	76	64173	20.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	87763	100.558	ug/l	98
59) 2-Hexanone	10.98	43	98281	101.644	ug/l	100
60) Dibromochloromethane	11.13	129	42782	18.435	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37374	20.076	ug/l	98
64) Tetrachloroethene	10.87	164	57731	21.216	ug/l	98
65) Chlorobenzene	11.66	112	162377	21.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	53370	20.014	ug/l	99
67) Ethyl Benzene	11.74	91	282664	21.736	ug/l	98
68) m/p-Xylenes	11.85	106	222187	43.228	ug/l	100
69) o-Xylene	12.17	106	103320	21.092	ug/l	99
70) Styrene	12.19	104	168020	21.093	ug/l	100
71) Bromoform	12.35	173	24880	16.727	ug/l #	99
73) Isopropylbenzene	12.47	105	300174	21.865	ug/l	99
74) N-amyl acetate	12.28	43	49376	18.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	42863	20.528	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28952m	19.506	ug/l	
77) Bromobenzene	12.76	156	71422	21.241	ug/l	99
78) n-propylbenzene	12.81	91	351593	22.013	ug/l	100
79) 2-Chlorotoluene	12.90	91	195331	21.767	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	250411	21.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9501	15.301	ug/l	87
82) 4-Chlorotoluene	12.99	91	202708	21.564	ug/l	99
83) tert-Butylbenzene	13.21	119	223568	21.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	255185	21.790	ug/l	99
85) sec-Butylbenzene	13.39	105	323811	22.136	ug/l	100
86) p-Isopropyltoluene	13.51	119	289538	21.883	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	144770	21.633	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143426	21.526	ug/l	99
89) n-Butylbenzene	13.83	91	268459	22.186	ug/l	99
90) Hexachloroethane	14.10	117	41524	18.528	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	128393	21.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6459	17.277	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	98305	21.403	ug/l	100
94) Hexachlorobutadiene	15.25	225	63898	22.146	ug/l	99
95) Naphthalene	15.38	128	152872	20.008	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	85378	21.491	ug/l	99

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

