

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008647.D
 Acq On : 13 Feb 2019 20:10
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:10:51 PM

Quant Time: Feb 14 05:30:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	401903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	559642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	286210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	224630	53.76	ug/l	0.00
Spiked Amount						
			Recovery	=	107.52%	
35) Dibromofluoromethane	7.88	113	207919	53.73	ug/l	0.00
Spiked Amount						
			Recovery	=	107.46%	
50) Toluene-d8	10.32	98	777905	52.15	ug/l	0.00
Spiked Amount						
			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	288373	51.33	ug/l	0.00
Spiked Amount						
			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55888	21.711	ug/l	95
3) Chloromethane	2.21	50	72578	19.558	ug/l	99
4) Vinyl Chloride	2.36	62	94074	19.299	ug/l	94
5) Bromomethane	2.77	94	79752	20.677	ug/l	98
6) Chloroethane	2.92	64	74428	20.520	ug/l	99
7) Trichlorofluoromethane	3.25	101	68481	18.038	ug/l	97
8) Diethyl Ether	3.67	74	46906	20.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81665	20.355	ug/l	95
10) Methyl Iodide	4.26	142	126483	20.198	ug/l	99
11) Tert butyl alcohol	5.17	59	35940	107.507	ug/l	97
12) 1,1-Dichloroethene	4.03	96	79639	20.297	ug/l	99
13) Acrolein	3.88	56	35928	104.311	ug/l	97
14) Allyl chloride	4.65	41	128683	19.740	ug/l	99
15) Acrylonitrile	5.36	53	99532	104.376	ug/l	99
16) Acetone	4.12	43	91873	96.626	ug/l	93
17) Carbon Disulfide	4.37	76	235441	19.884	ug/l	97
18) Methyl Acetate	4.66	43	43833	20.175	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143965	20.901	ug/l	100
20) Methylene Chloride	4.90	84	97359	18.714	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	85731	19.952	ug/l	98
22) Diisopropyl ether	6.31	45	269087	20.509	ug/l	96
23) Vinyl Acetate	6.25	43	876183	102.895	ug/l	100
24) 1,1-Dichloroethane	6.21	63	156032	20.609	ug/l	98
25) 2-Butanone	7.17	43	137989	102.778	ug/l	100
26) 2,2-Dichloropropane	7.16	77	91947	19.441	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	93362	20.094	ug/l	98
28) Bromochloromethane	7.51	49	67233	21.037	ug/l	98
29) Tetrahydrofuran	7.52	42	92071	104.044	ug/l	99
30) Chloroform	7.67	83	156100	20.577	ug/l	98
31) Cyclohexane	7.95	56	148995	19.498	ug/l	# 91
32) 1,1,1-Trichloroethane	7.87	97	127161	19.848	ug/l	99
36) 1,1-Dichloropropene	8.07	75	124866	19.944	ug/l	99
37) Ethyl Acetate	7.25	43	65306	21.624	ug/l	99
38) Carbon Tetrachloride	8.06	117	124479	19.995	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	152642	19.276	ug/l	98
40) Benzene	8.32	78	344979	20.176	ug/l	97
41) Methacrylonitrile	7.48	41	36705	21.601	ug/l	95
42) 1,2-Dichloroethane	8.40	62	109875	20.717	ug/l	100
43) Isopropyl Acetate	8.42	43	124740	20.714	ug/l	99
44) Trichloroethene	9.09	130	95659	20.178	ug/l	97
45) 1,2-Dichloropropane	9.37	63	85561	20.220	ug/l	99
46) Dibromomethane	9.46	93	47948	20.570	ug/l	98
47) Bromodichloromethane	9.64	83	115119	20.549	ug/l	99
48) Methyl methacrylate	9.43	41	57973	20.773	ug/l	98
49) 1,4-Dioxane	9.45	88	15292	410.980	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	324412	104.871	ug/l	99
52) Toluene	10.38	92	220263	19.968	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	116421	19.782	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135407	20.296	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66514	20.796	ug/l	96
56) Ethyl methacrylate	10.65	69	86413	20.346	ug/l	99
57) 1,3-Dichloropropane	10.93	76	116132	20.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	230630	113.201	ug/l	99
59) 2-Hexanone	10.97	43	220164	101.311	ug/l	99
60) Dibromochloromethane	11.13	129	77584	20.273	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65184	20.699	ug/l	97
64) Tetrachloroethene	10.86	164	83237	20.001	ug/l	96
65) Chlorobenzene	11.66	112	244939	20.306	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	86690	20.287	ug/l	98
67) Ethyl Benzene	11.73	91	422122	19.646	ug/l	98
68) m/p-Xylenes	11.84	106	329662	39.432	ug/l	100
69) o-Xylene	12.16	106	157616	19.945	ug/l	99
70) Styrene	12.18	104	252262	19.544	ug/l	99
71) Bromoform	12.35	173	45464	19.746	ug/l #	98
73) Isopropylbenzene	12.46	105	429474	20.145	ug/l	100
74) N-amyl acetate	12.27	43	122118	21.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	79805	21.515	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66769m	23.625	ug/l	
77) Bromobenzene	12.75	156	102761	20.969	ug/l	99
78) n-propylbenzene	12.80	91	508919	20.091	ug/l	98
79) 2-Chlorotoluene	12.90	91	290177	20.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	356926	20.156	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	22449	19.150	ug/l	98
82) 4-Chlorotoluene	12.99	91	306185	20.181	ug/l	98
83) tert-Butylbenzene	13.21	119	315050	20.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	369986	20.329	ug/l	99
85) sec-Butylbenzene	13.38	105	454042	20.280	ug/l	100
86) p-Isopropyltoluene	13.50	119	398814	19.912	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204250	20.560	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204554	20.892	ug/l	100
89) n-Butylbenzene	13.83	91	379351	19.931	ug/l	100
90) Hexachloroethane	14.10	117	70399	20.118	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	184346	20.944	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13970	21.673	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	132915	21.214	ug/l	100
94) Hexachlorobutadiene	15.24	225	75852	20.798	ug/l	98
95) Naphthalene	15.37	128	242332	21.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	116489	21.666	ug/l	99

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

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