

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011155.D
 Acq On : 08 Jul 2019 10:13
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:37 PM

Quant Time: Jul 09 05:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167493	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	16615	5.23	ug/l	0.00
Spiked Amount			Recovery	=	10.46%	
35) Dibromofluoromethane	7.88	113	12952	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
50) Toluene-d8	10.32	98	51208	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	19446	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10025	5.320	ug/l	99
3) Chloromethane	2.21	50	13508	5.564	ug/l	96
4) Vinyl Chloride	2.35	62	16711	5.259	ug/l	98
5) Bromomethane	2.77	94	8825	5.527	ug/l	92
6) Chloroethane	2.92	64	8847	5.169	ug/l	96
7) Trichlorofluoromethane	3.24	101	6177	5.472	ug/l	100
8) Diethyl Ether	3.68	74	7610	4.872	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14237	5.265	ug/l	97
10) Methyl Iodide	4.27	142	18775	5.048	ug/l	99
11) Tert butyl alcohol	5.17	59	5823	24.775	ug/l	99
12) 1,1-Dichloroethene	4.03	96	14657	5.222	ug/l	96
13) Acrolein	3.88	56	4442	23.734	ug/l	97
14) Allyl chloride	4.65	41	27030	5.281	ug/l	100
15) Acrylonitrile	5.36	53	19012	23.899	ug/l	97
16) Acetone	4.11	43	20259	26.523	ug/l	98
17) Carbon Disulfide	4.38	76	44300	5.206	ug/l	98
18) Methyl Acetate	4.67	43	15529	6.501	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	20973	4.925	ug/l	97
20) Methylene Chloride	4.92	84	15981	5.304	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	14896	5.108	ug/l	94
22) Diisopropyl ether	6.31	45	53745	4.882	ug/l	98
23) Vinyl Acetate	6.25	43	137891	20.241	ug/l	99
24) 1,1-Dichloroethane	6.21	63	29145	5.042	ug/l	99
25) 2-Butanone	7.16	43	27893	23.263	ug/l	94
26) 2,2-Dichloropropane	7.16	77	16327	5.434	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	15377	4.888	ug/l	96
28) Bromochloromethane	7.51	49	13641	5.190	ug/l	100
29) Tetrahydrofuran	7.53	42	17973	22.860	ug/l	100
30) Chloroform	7.67	83	28370	5.300	ug/l	97
31) Cyclohexane	7.95	56	35731	5.810	ug/l	# 77
32) 1,1,1-Trichloroethane	7.87	97	21398	5.255	ug/l	98
36) 1,1-Dichloropropene	8.07	75	22840	5.195	ug/l	99
37) Ethyl Acetate	7.25	43	12884	4.877	ug/l	98
38) Carbon Tetrachloride	8.06	117	19282	5.173	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	26931	5.053	ug/l	93
40) Benzene	8.32	78	62276	5.125	ug/l	96
41) Methacrylonitrile	7.48	41	7413	4.906	ug/l	94
42) 1,2-Dichloroethane	8.40	62	19992	5.072	ug/l	98
43) Isopropyl Acetate	8.43	43	22707	4.553	ug/l	96
44) Trichloroethene	9.09	130	14933	5.107	ug/l	96
45) 1,2-Dichloropropane	9.37	63	16733	5.085	ug/l	97
46) Dibromomethane	9.46	93	7558	4.890	ug/l	98
47) Bromodichloromethane	9.64	83	19472	4.923	ug/l	97
48) Methyl methacrylate	9.43	41	10382	4.327	ug/l	94
49) 1,4-Dioxane	9.45	88	2487	96.391	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	58684	22.524	ug/l	100
52) Toluene	10.38	92	36301	4.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	19410	4.611	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	23455	4.733	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	10772	4.912	ug/l	97
56) Ethyl methacrylate	10.65	69	14581	4.367	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20082	4.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	31612	20.424	ug/l	99
59) 2-Hexanone	10.97	43	39703	21.973	ug/l	100
60) Dibromochloromethane	11.12	129	11086	4.610	ug/l	98
61) 1,2-Dibromoethane	11.24	107	9870	4.752	ug/l	99
64) Tetrachloroethene	10.86	164	13128	5.479	ug/l	96
65) Chlorobenzene	11.66	112	36804	5.098	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	12761	5.020	ug/l	99
67) Ethyl Benzene	11.73	91	69311	5.015	ug/l	98
68) m/p-Xylenes	11.83	106	50186	10.035	ug/l	100
69) o-Xylene	12.16	106	23358	4.956	ug/l	99
70) Styrene	12.18	104	38999	4.794	ug/l	99
71) Bromoform	12.35	173	6556	4.851	ug/l #	95
73) Isopropylbenzene	12.46	105	64499	5.151	ug/l	99
74) N-amyl acetate	12.27	43	20112	4.612	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12924	5.036	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	10864m	5.598	ug/l	
77) Bromobenzene	12.75	156	14486	5.155	ug/l	98
78) n-propylbenzene	12.80	91	79699	5.167	ug/l	99
79) 2-Chlorotoluene	12.89	91	46037	5.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	54635	5.136	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3954	4.620	ug/l	96
82) 4-Chlorotoluene	12.99	91	48083	5.201	ug/l	99
83) tert-Butylbenzene	13.21	119	45484	5.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	54493	5.102	ug/l	98
85) sec-Butylbenzene	13.38	105	67155	5.246	ug/l	99
86) p-Isopropyltoluene	13.50	119	58739	5.116	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28671	5.303	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28969	5.321	ug/l	91
89) n-Butylbenzene	13.82	91	58602	5.117	ug/l	100
90) Hexachloroethane	14.09	117	10990	5.238	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	25566	5.213	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2323	5.103	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	16449	4.869	ug/l	98
94) Hexachlorobutadiene	15.24	225	10809	5.212	ug/l	100
95) Naphthalene	15.37	128	27242	4.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	13916	4.668	ug/l	96

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

