

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013368.D
 Acq On : 01 Oct 2019 13:28
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:34 AM

Quant Time: Oct 02 09:07:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184444	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	21997	9.64	ug/l	0.00
Spiked Amount			Recovery	=	19.28%	
35) Dibromofluoromethane	7.88	113	21064	9.16	ug/l	0.00
Spiked Amount			Recovery	=	18.32%	
50) Toluene-d8	10.32	98	85238	9.02	ug/l	0.00
Spiked Amount			Recovery	=	18.04%	
62) 4-Bromofluorobenzene	12.61	95	28636	9.12	ug/l	0.00
Spiked Amount			Recovery	=	18.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	11372	10.122	ug/l	96
3) Chloromethane	2.21	50	22573	10.630	ug/l	94
4) Vinyl Chloride	2.35	62	29674	10.512	ug/l	98
5) Bromomethane	2.78	94	17962	10.350	ug/l	92
6) Chloroethane	2.92	64	17460	10.957	ug/l	99
7) Trichlorofluoromethane	3.25	101	11749	9.541	ug/l	95
8) Diethyl Ether	3.67	74	15214	11.032	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	27469	10.116	ug/l	97
10) Methyl Iodide	4.27	142	44548	10.322	ug/l	99
11) Tert butyl alcohol	5.18	59	14025m	29.443	ug/l	
12) 1,1-Dichloroethene	4.04	96	30266	10.636	ug/l	92
13) Acrolein	3.89	56	12737	65.146	ug/l	90
14) Allyl chloride	4.67	41	42079	10.113	ug/l	99
15) Acrylonitrile	5.37	53	37577	59.334	ug/l	99
16) Acetone	4.13	43	39780	53.993	ug/l	98
17) Carbon Disulfide	4.38	76	79395	10.153	ug/l	98
18) Methyl Acetate	4.67	43	19698	11.776	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	44772	10.716	ug/l	100
20) Methylene Chloride	4.92	84	34220	9.249	ug/l	86
21) trans-1,2-Dichloroethene	5.42	96	31106	10.344	ug/l	97
22) Diisopropyl ether	6.31	45	82818	10.312	ug/l	99
23) Vinyl Acetate	6.26	43	264485	55.050	ug/l	99
24) 1,1-Dichloroethane	6.21	63	50142	10.104	ug/l	98
25) 2-Butanone	7.17	43	55108	59.459	ug/l	98
26) 2,2-Dichloropropane	7.16	77	36170	10.614	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	31684	10.014	ug/l	94
28) Bromochloromethane	7.51	49	14802	8.675	ug/l	98
29) Tetrahydrofuran	7.53	42	32251	60.096	ug/l	97
30) Chloroform	7.67	83	49507	10.191	ug/l	99
31) Cyclohexane	7.95	56	55684	10.235	ug/l	# 93
32) 1,1,1-Trichloroethane	7.87	97	38467	10.121	ug/l	97
36) 1,1-Dichloropropene	8.08	75	42417	10.247	ug/l	99
37) Ethyl Acetate	7.26	43	24359	11.666	ug/l	99
38) Carbon Tetrachloride	8.07	117	35132	9.917	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	54682	10.069	ug/l	95
40) Benzene	8.32	78	118973	10.167	ug/l	98
41) Methacrylonitrile	7.48	41	12165	5.412	ug/l	92
42) 1,2-Dichloroethane	8.40	62	31080	10.481	ug/l	99
43) Isopropyl Acetate	8.43	43	39319	11.474	ug/l	98
44) Trichloroethene	9.09	130	33282	10.082	ug/l	95
45) 1,2-Dichloropropane	9.37	63	28988	10.474	ug/l	93
46) Dibromomethane	9.46	93	15140	10.893	ug/l	100
47) Bromodichloromethane	9.65	83	33659	10.004	ug/l	99
48) Methyl methacrylate	9.43	41	17363	10.847	ug/l	94
49) 1,4-Dioxane	9.46	88	6348	255.822	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	110156	59.647	ug/l	99
52) Toluene	10.39	92	77005	10.311	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	35232	10.354	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	42843	10.253	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22314	10.798	ug/l	96
56) Ethyl methacrylate	10.65	69	30192	11.102	ug/l	95
57) 1,3-Dichloropropane	10.93	76	38582	10.612	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	65616	58.483	ug/l	99
59) 2-Hexanone	10.97	43	73375	59.541	ug/l	97
60) Dibromochloromethane	11.13	129	24212	10.579	ug/l	99
61) 1,2-Dibromoethane	11.24	107	21343	10.591	ug/l	96
64) Tetrachloroethene	10.86	164	29668	10.028	ug/l	97
65) Chlorobenzene	11.66	112	79485	10.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	25662	9.763	ug/l	95
67) Ethyl Benzene	11.72	91	140682	9.920	ug/l	100
68) m/p-Xylenes	11.84	106	109677	19.975	ug/l	97
69) o-Xylene	12.16	106	50621	10.119	ug/l	98
70) Styrene	12.18	104	84810	9.872	ug/l	99
71) Bromoform	12.35	173	15273	10.679	ug/l #	99
73) Isopropylbenzene	12.46	105	136200	9.808	ug/l	100
74) N-amyl acetate	12.27	43	32876	10.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27475	11.534	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17686m	10.604	ug/l	
77) Bromobenzene	12.74	156	33524	10.142	ug/l	99
78) n-propylbenzene	12.80	91	157187	9.882	ug/l	100
79) 2-Chlorotoluene	12.89	91	90243	10.038	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	115540	9.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	7909	11.061	ug/l	95
82) 4-Chlorotoluene	12.99	91	95818	10.347	ug/l	96
83) tert-Butylbenzene	13.21	119	100238	9.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	113236	9.769	ug/l	99
85) sec-Butylbenzene	13.38	105	141769	9.996	ug/l	100
86) p-Isopropyltoluene	13.50	119	130357	9.912	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	62703	9.799	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62341	9.795	ug/l	97
89) n-Butylbenzene	13.82	91	114114	9.618	ug/l	99
90) Hexachloroethane	14.09	117	20797	9.671	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	56143	9.985	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4080	11.145	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	40852	10.406	ug/l	98
94) Hexachlorobutadiene	15.23	225	26454	10.001	ug/l	97
95) Naphthalene	15.36	128	71459	11.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	35710	10.400	ug/l	99

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

