

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012711.D
 Acq On : 07 Sep 2019 10:38
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:23 PM

Quant Time: Sep 08 04:58:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	287805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184480	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	60499	18.81	ug/l	0.00
Spiked Amount						
			Recovery	=	37.62%	
35) Dibromofluoromethane	7.88	113	48611	18.75	ug/l	0.00
Spiked Amount						
			Recovery	=	37.50%	
50) Toluene-d8	10.32	98	189438	18.65	ug/l	0.00
Spiked Amount						
			Recovery	=	37.30%	
62) 4-Bromofluorobenzene	12.62	95	70479	19.11	ug/l	0.00
Spiked Amount						
			Recovery	=	38.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	31603	20.255	ug/l	93
3) Chloromethane	2.21	50	40591	21.407	ug/l	99
4) Vinyl Chloride	2.35	62	47730	20.529	ug/l	95
5) Bromomethane	2.76	94	26777	21.209	ug/l	99
6) Chloroethane	2.92	64	27718	19.978	ug/l	96
7) Trichlorofluoromethane	3.25	101	31102	19.385	ug/l	92
8) Diethyl Ether	3.68	74	26140	19.385	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50381	20.010	ug/l	100
10) Methyl Iodide	4.26	142	62821	19.820	ug/l	99
11) Tert butyl alcohol	5.17	59	21535	87.527	ug/l	97
12) 1,1-Dichloroethene	4.04	96	47316	19.908	ug/l	93
13) Acrolein	3.88	56	24048	92.106	ug/l	97
14) Allyl chloride	4.66	41	97110	19.751	ug/l	99
15) Acrylonitrile	5.36	53	68467	86.931	ug/l	100
16) Acetone	4.12	43	71625	81.701	ug/l	100
17) Carbon Disulfide	4.38	76	106151	21.041	ug/l	100
18) Methyl Acetate	4.67	43	35468	17.244	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	86500	18.351	ug/l	93
20) Methylene Chloride	4.92	84	52711	19.219	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49221	20.296	ug/l	96
22) Diisopropyl ether	6.31	45	182140	18.678	ug/l	97
23) Vinyl Acetate	6.25	43	540614	87.478	ug/l	98
24) 1,1-Dichloroethane	6.21	63	102008	19.428	ug/l	99
25) 2-Butanone	7.16	43	98644	85.245	ug/l	97
26) 2,2-Dichloropropane	7.16	77	66539	20.064	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56388	20.053	ug/l	97
28) Bromochloromethane	7.51	49	45159	18.731	ug/l	99
29) Tetrahydrofuran	7.52	42	62493	88.273	ug/l	98
30) Chloroform	7.67	83	103981	19.982	ug/l	98
31) Cyclohexane	7.95	56	94758	20.046	ug/l	# 92
32) 1,1,1-Trichloroethane	7.87	97	84011	19.917	ug/l	98
36) 1,1-Dichloropropene	8.08	75	75792	19.556	ug/l	99
37) Ethyl Acetate	7.25	43	41049	16.615	ug/l	99
38) Carbon Tetrachloride	8.07	117	73416	19.217	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	87546	20.112	ug/l	98
40) Benzene	8.32	78	217069	20.187	ug/l	99
41) Methacrylonitrile	7.48	41	26927	18.076	ug/l	94
42) 1,2-Dichloroethane	8.40	62	71521	18.899	ug/l	98
43) Isopropyl Acetate	8.42	43	81129	17.333	ug/l	96
44) Trichloroethene	9.09	130	54779	19.763	ug/l	98
45) 1,2-Dichloropropane	9.37	63	58232	19.525	ug/l	99
46) Dibromomethane	9.46	93	26878	19.032	ug/l	99
47) Bromodichloromethane	9.65	83	73478	18.911	ug/l	100
48) Methyl methacrylate	9.43	41	38333	17.137	ug/l	95
49) 1,4-Dioxane	9.44	88	10001	358.506	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	205127	83.517	ug/l	99
52) Toluene	10.38	92	133901	19.951	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73162	18.312	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81282	17.934	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39158	18.520	ug/l	98
56) Ethyl methacrylate	10.65	69	54954	17.756	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71874	18.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155990	94.939	ug/l	99
59) 2-Hexanone	10.97	43	146031	81.382	ug/l	100
60) Dibromochloromethane	11.13	129	45557	18.321	ug/l	98
61) 1,2-Dibromoethane	11.23	107	35202	18.160	ug/l	98
64) Tetrachloroethene	10.86	164	45677	20.071	ug/l	95
65) Chlorobenzene	11.66	112	140752	19.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51057	19.341	ug/l	99
67) Ethyl Benzene	11.73	91	268364	20.177	ug/l	97
68) m/p-Xylenes	11.84	106	191995	39.992	ug/l	99
69) o-Xylene	12.16	106	91093	20.112	ug/l	97
70) Styrene	12.18	104	157625	19.695	ug/l	99
71) Bromoform	12.35	173	24829	16.929	ug/l #	96
73) Isopropylbenzene	12.46	105	257587	19.468	ug/l	99
74) N-amyl acetate	12.27	43	73534	17.509	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45615	17.166	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	39214m	21.661	ug/l	
77) Bromobenzene	12.75	156	56682	18.909	ug/l	98
78) n-propylbenzene	12.80	91	312482	19.746	ug/l	99
79) 2-Chlorotoluene	12.89	91	180921	19.915	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	220363	19.765	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14426	16.175	ug/l	94
82) 4-Chlorotoluene	12.99	91	188977	19.666	ug/l	100
83) tert-Butylbenzene	13.21	119	192443	19.521	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	221293	19.698	ug/l	100
85) sec-Butylbenzene	13.38	105	262469	19.187	ug/l	99
86) p-Isopropyltoluene	13.50	119	243932	19.522	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112801	19.144	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113105	19.291	ug/l	98
89) n-Butylbenzene	13.82	91	235968	19.452	ug/l	100
90) Hexachloroethane	14.09	117	42112	19.305	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100941	19.034	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7722	15.879	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	68043	18.428	ug/l	97
94) Hexachlorobutadiene	15.24	225	48894	19.132	ug/l	99
95) Naphthalene	15.36	128	115847	16.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	60554	18.580	ug/l	100

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

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