

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013459.D
 Acq On : 07 Oct 2019 13:26
 Operator : SY/VA
 Sample : VW1007SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:31:17 PM

Quant Time: Oct 07 17:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	198016	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	114483	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	7.88	113	111108	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.32	98	459372	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	356868	124.36	ug/l	0.00
Spiked Amount			Recovery	=	248.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22928	21.455	ug/l	98
3) Chloromethane	2.21	50	38778	21.989	ug/l	94
4) Vinyl Chloride	2.35	62	50008	19.981	ug/l	98
5) Bromomethane	2.73	94	29325	19.071	ug/l	100
6) Chloroethane	2.91	64	27459	19.000	ug/l	96
7) Trichlorofluoromethane	3.24	101	19837	18.269	ug/l	99
8) Diethyl Ether	3.67	74	26004	20.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47664	19.800	ug/l	99
10) Methyl Iodide	4.27	142	73761	18.973	ug/l	99
11) Tert butyl alcohol	5.17	59	36957	214.999	ug/l	97
12) 1,1-Dichloroethene	4.03	96	51340	20.185	ug/l	96
13) Acrolein	3.88	56	23233	117.248	ug/l	97
14) Allyl chloride	4.66	41	73407	19.510	ug/l	98
15) Acrylonitrile	5.35	53	71832	126.436	ug/l	96
16) Acetone	4.12	43	66397	104.999	ug/l	97
17) Carbon Disulfide	4.38	76	139430	19.650	ug/l	99
18) Methyl Acetate	4.67	43	42265	28.556	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82535	22.048	ug/l	97
20) Methylene Chloride	4.92	84	56792	20.455	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	52351	19.328	ug/l	99
22) Diisopropyl ether	6.31	45	146554	20.169	ug/l	97
23) Vinyl Acetate	6.25	43	481859	110.517	ug/l	98
24) 1,1-Dichloroethane	6.21	63	86324	19.505	ug/l	97
25) 2-Butanone	7.16	43	100207	123.842	ug/l	98
26) 2,2-Dichloropropane	7.16	77	56115	20.950	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56822	20.042	ug/l	97
28) Bromochloromethane	7.51	49	29492	18.430	ug/l #	95
29) Tetrahydrofuran	7.53	42	65174	142.805	ug/l	98
30) Chloroform	7.67	83	86190	19.861	ug/l	97
31) Cyclohexane	7.95	56	93143	19.734	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	69434	20.423	ug/l	98
36) 1,1-Dichloropropene	8.08	75	72413	19.755	ug/l	98
37) Ethyl Acetate	7.25	43	40937	25.378	ug/l	98
38) Carbon Tetrachloride	8.06	117	62893	19.807	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97247	20.144	ug/l	97
40) Benzene	8.32	78	204803	19.737	ug/l	98
41) Methacrylonitrile	7.48	41	22226	22.786	ug/l	92
42) 1,2-Dichloroethane	8.40	62	54608	20.476	ug/l	95
43) Isopropyl Acetate	8.42	43	73168	24.030	ug/l	96
44) Trichloroethene	9.09	130	58398	19.985	ug/l	98
45) 1,2-Dichloropropane	9.37	63	48663	19.532	ug/l	99
46) Dibromomethane	9.46	93	28324	22.825	ug/l	97
47) Bromodichloromethane	9.65	83	62170	20.351	ug/l	97
48) Methyl methacrylate	9.43	41	35359	24.169	ug/l	95
49) 1,4-Dioxane	9.45	88	13252	685.939	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	209795	131.143	ug/l	98
52) Toluene	10.38	92	132896	19.856	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	66565	20.949	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79685	20.684	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41624	22.485	ug/l	97
56) Ethyl methacrylate	10.65	69	58140	23.334	ug/l	98
57) 1,3-Dichloropropane	10.93	76	70057	21.769	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	139222	136.021	ug/l	98
59) 2-Hexanone	10.97	43	148072	133.540	ug/l	98
60) Dibromochloromethane	11.13	129	56075	26.478	ug/l	81
61) 1,2-Dibromoethane	11.23	107	38425	21.481	ug/l #	76
64) Tetrachloroethene	10.86	164	49236	18.981	ug/l	97
65) Chlorobenzene	11.66	112	135758	19.436	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48318	20.310	ug/l	96
67) Ethyl Benzene	11.73	91	249520	19.932	ug/l	96
68) m/p-Xylenes	11.83	106	191813	39.695	ug/l	98
69) o-Xylene	12.16	106	88858	19.889	ug/l	99
70) Styrene	12.18	104	157816	20.664	ug/l	99
71) Bromoform	12.35	173	31181	24.174	ug/l #	91
73) Isopropylbenzene	12.46	105	257392	17.770	ug/l	98
74) N-amyl acetate	12.27	43	71621	23.234	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	78819	32.150	ug/l	71
76) 1,2,3-Trichloropropane	12.77	75	33951m	19.291	ug/l	
77) Bromobenzene	12.75	156	60754	17.468	ug/l	98
78) n-propylbenzene	12.80	91	287362	17.247	ug/l	98
79) 2-Chlorotoluene	12.89	91	168142	18.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212933	17.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16581	22.552	ug/l	95
82) 4-Chlorotoluene	12.99	91	172914	17.837	ug/l	98
83) tert-Butylbenzene	13.21	119	199463	18.979	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	208039	17.393	ug/l	99
85) sec-Butylbenzene	13.38	105	256316	17.689	ug/l	93
86) p-Isopropyltoluene	13.50	119	239878	17.863	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	116137	17.749	ug/l	91
88) 1,4-Dichlorobenzene	13.50	146	116137	17.727	ug/l	90
89) n-Butylbenzene	13.82	91	214356	17.706	ug/l	99
90) Hexachloroethane	14.09	117	38591	17.395	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	105255	18.197	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8776	23.932	ug/l #	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79530	19.158	ug/l	98
94) Hexachlorobutadiene	15.24	225	47822	17.734	ug/l	96
95) Naphthalene	15.36	128	160400	22.906	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	68688	18.952	ug/l	99

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

