

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	424604	143.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.14%	
35) Dibromofluoromethane	7.88	113	421193	147.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.26%	
50) Toluene-d8	10.32	98	1743654	146.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.06%	
62) 4-Bromofluorobenzene	12.62	95	594727	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	304613	145.727	ug/l	98
3) Chloromethane	2.21	50	368548	137.159	ug/l	100
4) Vinyl Chloride	2.36	62	468698	135.301	ug/l	98
5) Bromomethane	2.76	94	306566	139.648	ug/l	93
6) Chloroethane	2.91	64	286775	140.445	ug/l	97
7) Trichlorofluoromethane	3.25	101	309541	154.965	ug/l	97
8) Diethyl Ether	3.68	74	247880	145.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	454964	139.900	ug/l	100
10) Methyl Iodide	4.27	142	721611	143.120	ug/l	100
11) Tert butyl alcohol	5.16	59	157534	760.594	ug/l	98
12) 1,1-Dichloroethene	4.04	96	478238	142.012	ug/l	97
13) Acrolein	3.89	56	128357	753.937	ug/l	98
14) Allyl chloride	4.66	41	789515	147.311	ug/l	99
15) Acrylonitrile	5.36	53	547038	742.833	ug/l	99
16) Acetone	4.12	43	487610	731.106	ug/l	97
17) Carbon Disulfide	4.38	76	1438428	147.780	ug/l	99
18) Methyl Acetate	4.66	43	269352	143.671	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	723924	140.262	ug/l	99
20) Methylene Chloride	4.92	84	484233	147.636	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	514660	141.399	ug/l	92
22) Diisopropyl ether	6.31	45	1470667	144.301	ug/l	98
23) Vinyl Acetate	6.25	43	4528086	748.913	ug/l	99
24) 1,1-Dichloroethane	6.21	63	884047	143.750	ug/l	99
25) 2-Butanone	7.17	43	728640	727.768	ug/l	95
26) 2,2-Dichloropropane	7.17	77	518534	147.410	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	556592	144.903	ug/l	99
28) Bromochloromethane	7.51	49	367394	155.653	ug/l #	100
29) Tetrahydrofuran	7.52	42	462273	752.885	ug/l	99
30) Chloroform	7.67	83	848474	140.918	ug/l	98
31) Cyclohexane	7.95	56	865114	134.949	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	696770	142.882	ug/l	99
36) 1,1-Dichloropropene	8.08	75	716795	142.664	ug/l	99
37) Ethyl Acetate	7.24	43	310310	145.319	ug/l	100
38) Carbon Tetrachloride	8.07	117	661129	146.787	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	937437	145.185	ug/l	98
40) Benzene	8.32	78	2014718	143.760	ug/l	100
41) Methacrylonitrile	7.48	41	201561	158.155	ug/l	94
42) 1,2-Dichloroethane	8.40	62	538293	142.883	ug/l	99
43) Isopropyl Acetate	8.42	43	612742	149.719	ug/l	98
44) Trichloroethene	9.09	130	566498	144.073	ug/l	100
45) 1,2-Dichloropropane	9.37	63	496521	145.117	ug/l	98
46) Dibromomethane	9.46	93	240497	144.779	ug/l	98
47) Bromodichloromethane	9.64	83	636710	150.635	ug/l	96
48) Methyl methacrylate	9.43	41	310963	161.586	ug/l	97
49) 1,4-Dioxane	9.45	88	72872	2922.507	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1533608	747.477	ug/l	99
52) Toluene	10.38	92	1304717	145.263	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	675162	155.473	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	818199	154.959	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	362644	146.059	ug/l	98
56) Ethyl methacrylate	10.65	69	509675	156.852	ug/l	100
57) 1,3-Dichloropropane	10.93	76	638161	147.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1150289	764.671	ug/l	99
59) 2-Hexanone	10.97	43	1085921	769.299	ug/l	100
60) Dibromochloromethane	11.13	129	437363	155.134	ug/l	100
61) 1,2-Dibromoethane	11.23	107	348753	147.733	ug/l	100
64) Tetrachloroethene	10.86	164	485303	140.964	ug/l	98
65) Chlorobenzene	11.66	112	1358539	143.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	478627	147.860	ug/l	99
67) Ethyl Benzene	11.73	91	2482158	144.581	ug/l	99
68) m/p-Xylenes	11.84	106	1896284	289.860	ug/l	100
69) o-Xylene	12.16	106	881736	144.967	ug/l	98
70) Styrene	12.18	104	1529950	146.518	ug/l	100
71) Bromoform	12.35	173	261977	153.192	ug/l #	99
73) Isopropylbenzene	12.46	105	2425667	146.832	ug/l	100
74) N-amyl acetate	12.27	43	570083	155.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	401840	145.444	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	263611m	133.475	ug/l	
77) Bromobenzene	12.74	156	566219	144.636	ug/l	97
78) n-propylbenzene	12.80	91	2822734	145.974	ug/l	100
79) 2-Chlorotoluene	12.89	91	1573394	145.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2011549	144.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	144729	164.437	ug/l	96
82) 4-Chlorotoluene	12.99	91	1654163	144.794	ug/l	99
83) tert-Butylbenzene	13.21	119	1757751	144.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1983487	143.537	ug/l	99
85) sec-Butylbenzene	13.38	105	2412563	143.569	ug/l	99
86) p-Isopropyltoluene	13.50	119	2258108	144.880	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1077676	143.036	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1061959	143.717	ug/l	99
89) n-Butylbenzene	13.82	91	2099115	147.496	ug/l	100
90) Hexachloroethane	14.09	117	396859	151.570	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	952708	146.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64923	153.631	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	753495	161.323	ug/l	99
94) Hexachlorobutadiene	15.24	225	464244	145.283	ug/l	99
95) Naphthalene	15.36	128	1299655	170.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	644426	159.676	ug/l	100

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

