

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100919\
 Data File : VW013514.D
 Acq On : 09 Oct 2019 20:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 4:40:07 PM

Quant Time: Oct 10 03:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136976	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.88	113	139846	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.32	98	585257	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	198305	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50694	44.122	ug/l	95
3) Chloromethane	2.21	50	95873	47.472	ug/l	98
4) Vinyl Chloride	2.36	62	144740	48.587	ug/l	98
5) Bromomethane	2.78	94	92160	51.850	ug/l	99
6) Chloroethane	2.92	64	86695	51.822	ug/l	98
7) Trichlorofluoromethane	3.26	101	74334	52.739	ug/l	99
8) Diethyl Ether	3.68	74	78432	53.763	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140085	48.224	ug/l	99
10) Methyl Iodide	4.27	142	240485	52.280	ug/l	99
11) Tert butyl alcohol	5.19	59	46907	247.779	ug/l	100
12) 1,1-Dichloroethene	4.04	96	147893	49.126	ug/l	100
13) Acrolein	3.90	56	61274	255.259	ug/l	99
14) Allyl chloride	4.67	41	242039	52.317	ug/l	99
15) Acrylonitrile	5.37	53	169451	248.519	ug/l	98
16) Acetone	4.12	43	132777	212.912	ug/l	100
17) Carbon Disulfide	4.38	76	415508	49.171	ug/l	99
18) Methyl Acetate	4.67	43	85617	47.928	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	241659	53.086	ug/l	98
20) Methylene Chloride	4.91	84	159613	53.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	163727	51.181	ug/l	97
22) Diisopropyl ether	6.31	45	470993	54.337	ug/l	98
23) Vinyl Acetate	6.25	43	1371014	263.452	ug/l	99
24) 1,1-Dichloroethane	6.21	63	278174	52.505	ug/l	99
25) 2-Butanone	7.17	43	208838	227.228	ug/l	97
26) 2,2-Dichloropropane	7.17	77	164347	48.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	177129	52.329	ug/l	100
28) Bromochloromethane	7.51	49	106186	51.684	ug/l #	99
29) Tetrahydrofuran	7.53	42	138420	246.424	ug/l	99
30) Chloroform	7.68	83	267953	52.287	ug/l	96
31) Cyclohexane	7.96	56	258725	46.139	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	215709	51.781	ug/l	99
36) 1,1-Dichloropropene	8.08	75	220782	48.350	ug/l	100
37) Ethyl Acetate	7.25	43	97331	46.978	ug/l	98
38) Carbon Tetrachloride	8.07	117	197270	48.733	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	279650	47.270	ug/l	100
40) Benzene	8.32	78	647821	50.822	ug/l	100
41) Methacrylonitrile	7.48	41	56426	47.894	ug/l	99
42) 1,2-Dichloroethane	8.40	62	167373	51.949	ug/l	99
43) Isopropyl Acetate	8.42	43	187307	50.041	ug/l	99
44) Trichloroethene	9.09	130	185158	50.919	ug/l	100
45) 1,2-Dichloropropane	9.37	63	158411	51.778	ug/l	99
46) Dibromomethane	9.46	93	77076	50.570	ug/l	99
47) Bromodichloromethane	9.64	83	198437	52.375	ug/l	97
48) Methyl methacrylate	9.43	41	87336	47.369	ug/l	97
49) 1,4-Dioxane	9.46	88	24151	902.422	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	473755	240.746	ug/l	99
52) Toluene	10.39	92	417909	50.898	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	204783	52.016	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	248916	52.188	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	117123	51.196	ug/l	98
56) Ethyl methacrylate	10.65	69	158206	51.345	ug/l	99
57) 1,3-Dichloropropane	10.93	76	203177	51.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	384495	264.500	ug/l	98
59) 2-Hexanone	10.97	43	319936	237.094	ug/l	100
60) Dibromochloromethane	11.13	129	138688	52.715	ug/l	96
61) 1,2-Dibromoethane	11.23	107	112802	51.839	ug/l	98
64) Tetrachloroethene	10.86	164	160059	49.753	ug/l	99
65) Chlorobenzene	11.66	112	442750	50.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	157651	52.253	ug/l	100
67) Ethyl Benzene	11.73	91	805019	50.710	ug/l	100
68) m/p-Xylenes	11.84	106	616022	101.988	ug/l	100
69) o-Xylene	12.16	106	286810	51.395	ug/l	99
70) Styrene	12.18	104	508692	53.089	ug/l	99
71) Bromoform	12.35	173	84840	51.253	ug/l #	99
73) Isopropylbenzene	12.46	105	784625	49.656	ug/l	100
74) N-amyl acetate	12.27	43	172334	49.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130884	48.596	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	85728m	46.661	ug/l	
77) Bromobenzene	12.74	156	192241	51.327	ug/l	100
78) n-propylbenzene	12.80	91	917772	50.228	ug/l	99
79) 2-Chlorotoluene	12.89	91	513678	50.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	665323	50.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43732	48.657	ug/l	98
82) 4-Chlorotoluene	12.99	91	541099	50.926	ug/l	100
83) tert-Butylbenzene	13.21	119	589329	50.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	665104	51.222	ug/l	99
85) sec-Butylbenzene	13.38	105	800240	49.672	ug/l	100
86) p-Isopropyltoluene	13.50	119	749958	50.666	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	370919	52.229	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	357991	51.456	ug/l	99
89) n-Butylbenzene	13.82	91	671690	50.233	ug/l	99
90) Hexachloroethane	14.09	117	129219	51.020	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	325241	51.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20054	46.706	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	241404	54.474	ug/l	99
94) Hexachlorobutadiene	15.24	225	150311	51.041	ug/l	97
95) Naphthalene	15.36	128	413036	53.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	211969	54.700	ug/l	98

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

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