

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082919\
 Data File : VW012340.D
 Acq On : 30 Aug 2019 08:24
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 11:44:36 AM

Quant Time: Aug 30 09:25:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	327705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135134	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.88	113	103901	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.32	98	409151	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	150222	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	51080	43.100	ug/l	95
3) Chloromethane	2.21	50	90452	49.262	ug/l	99
4) Vinyl Chloride	2.36	62	104330	46.424	ug/l	98
5) Bromomethane	2.76	94	53277	46.810	ug/l	97
6) Chloroethane	2.91	64	63702	50.247	ug/l	96
7) Trichlorofluoromethane	3.25	101	53656	47.548	ug/l	99
8) Diethyl Ether	3.68	74	67403	62.927	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91815	47.866	ug/l	98
10) Methyl Iodide	4.27	142	143144	55.155	ug/l	99
11) Tert butyl alcohol	5.18	59	46937	340.877	ug/l	98
12) 1,1-Dichloroethene	4.04	96	94415	48.904	ug/l	97
13) Acrolein	3.89	56	28380	218.956	ug/l	99
14) Allyl chloride	4.67	41	227075	55.017	ug/l	99
15) Acrylonitrile	5.37	53	181432	341.735	ug/l	99
16) Acetone	4.12	43	154276	263.774	ug/l	96
17) Carbon Disulfide	4.38	76	270469	46.355	ug/l	100
18) Methyl Acetate	4.67	43	114749	79.212	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	205849	65.932	ug/l	100
20) Methylene Chloride	4.91	84	142622	64.503	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	111760	53.982	ug/l	99
22) Diisopropyl ether	6.31	45	469681	61.392	ug/l	95
23) Vinyl Acetate	6.25	43	1420330	301.669	ug/l	100
24) 1,1-Dichloroethane	6.21	63	234856	56.380	ug/l	99
25) 2-Butanone	7.17	43	252049	317.130	ug/l	99
26) 2,2-Dichloropropane	7.17	77	107748	45.699	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	128010	57.872	ug/l	99
28) Bromochloromethane	7.51	49	102992	56.727	ug/l	98
29) Tetrahydrofuran	7.53	42	170725	358.037	ug/l	100
30) Chloroform	7.67	83	220913	57.966	ug/l	100
31) Cyclohexane	7.95	56	184481	44.763	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	161954	53.719	ug/l	100
36) 1,1-Dichloropropene	8.08	75	165038	48.735	ug/l	99
37) Ethyl Acetate	7.25	43	115078	62.012	ug/l	100
38) Carbon Tetrachloride	8.07	117	141330	48.218	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170792	44.893	ug/l	99
40) Benzene	8.32	78	490655	53.061	ug/l	99
41) Methacrylonitrile	7.48	41	69829	64.024	ug/l	99
42) 1,2-Dichloroethane	8.40	62	167409	57.766	ug/l	99
43) Isopropyl Acetate	8.42	43	213473	62.103	ug/l	99
44) Trichloroethene	9.09	130	117037	52.065	ug/l	97
45) 1,2-Dichloropropane	9.37	63	137737	55.346	ug/l	98
46) Dibromomethane	9.46	93	64778	58.503	ug/l	99
47) Bromodichloromethane	9.64	83	166067	56.353	ug/l	97
48) Methyl methacrylate	9.43	41	103573	63.308	ug/l	97
49) 1,4-Dioxane	9.46	88	20163	1189.489	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	564132	322.663	ug/l	99
52) Toluene	10.38	92	299448	53.905	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	166911	55.604	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	195098	53.828	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	91725	58.549	ug/l	98
56) Ethyl methacrylate	10.65	69	143490	62.931	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175919	59.421	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	364104	311.147	ug/l	100
59) 2-Hexanone	10.97	43	384339	310.683	ug/l	100
60) Dibromochloromethane	11.13	129	102276	58.612	ug/l	98
61) 1,2-Dibromoethane	11.23	107	88298	60.498	ug/l	99
64) Tetrachloroethene	10.86	164	107057	56.639	ug/l	99
65) Chlorobenzene	11.66	112	306420	53.376	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	109693	54.772	ug/l	98
67) Ethyl Benzene	11.73	91	576441	52.126	ug/l	100
68) m/p-Xylenes	11.84	106	413899	103.904	ug/l	100
69) o-Xylene	12.16	106	198389	53.810	ug/l	100
70) Styrene	12.18	104	351389	55.064	ug/l	99
71) Bromoform	12.35	173	58954	59.083	ug/l	100
73) Isopropylbenzene	12.46	105	531808	50.382	ug/l	99
74) N-amyl acetate	12.27	43	188563	59.127	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	112218	57.990	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	92800m	67.641	ug/l	
77) Bromobenzene	12.74	156	123046	53.884	ug/l	99
78) n-propylbenzene	12.80	91	644981	50.053	ug/l	99
79) 2-Chlorotoluene	12.89	91	378672	51.760	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	454415	51.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33823	54.053	ug/l	98
82) 4-Chlorotoluene	12.99	91	398861	52.068	ug/l	100
83) tert-Butylbenzene	13.21	119	383045	51.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	460737	52.002	ug/l	100
85) sec-Butylbenzene	13.38	105	530129	49.526	ug/l	100
86) p-Isopropyltoluene	13.50	119	481688	50.389	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	238291	53.350	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	233247	52.593	ug/l	99
89) n-Butylbenzene	13.82	91	465060	48.922	ug/l	100
90) Hexachloroethane	14.09	117	84970	50.663	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	214396	54.716	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19203	58.863	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	149159	55.085	ug/l	100
94) Hexachlorobutadiene	15.24	225	89372	49.985	ug/l	97
95) Naphthalene	15.36	128	300686	56.020	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	135457	57.336	ug/l	99

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

