

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009255.D
 Acq On : 19 Mar 2019 23:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:12 AM

Quant Time: Mar 20 08:24:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	158129	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.88	113	136162	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.32	98	504736	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.62	95	193072	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73689	45.385	ug/l	99
3) Chloromethane	2.22	50	97048	48.596	ug/l	97
4) Vinyl Chloride	2.37	62	137533	46.922	ug/l	98
5) Bromomethane	2.78	94	113651	47.546	ug/l	91
6) Chloroethane	2.93	64	112245	49.359	ug/l	97
7) Trichlorofluoromethane	3.26	101	86702	45.155	ug/l	98
8) Diethyl Ether	3.67	74	72748	52.535	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	131330	47.217	ug/l	98
10) Methyl Iodide	4.27	142	199310	49.709	ug/l	97
11) Tert butyl alcohol	5.17	59	49650	291.848	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	122674	46.658	ug/l	96
13) Acrolein	3.89	56	32953	237.310	ug/l	93
14) Allyl chloride	4.66	41	198519	51.217	ug/l	99
15) Acrylonitrile	5.36	53	166663	286.382	ug/l	98
16) Acetone	4.12	43	148213	246.526	ug/l	91
17) Carbon Disulfide	4.38	76	336689	45.935	ug/l	98
18) Methyl Acetate	4.67	43	88216	57.173	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	187544	58.119	ug/l	95
20) Methylene Chloride	4.91	84	136575	54.581	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	135863	50.226	ug/l	93
22) Diisopropyl ether	6.31	45	460545	55.114	ug/l	97
23) Vinyl Acetate	6.25	43	1452412	277.020	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262662	50.933	ug/l	99
25) 2-Butanone	7.17	43	237933	276.197	ug/l	100
26) 2,2-Dichloropropane	7.16	77	133994	46.502	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	154918	52.864	ug/l	99
28) Bromochloromethane	7.51	49	120612	53.321	ug/l #	14
29) Tetrahydrofuran	7.52	42	157810	288.203	ug/l	99
30) Chloroform	7.67	83	276325	51.498	ug/l	99
31) Cyclohexane	7.95	56	215601	44.843	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209405	48.892	ug/l	98
36) 1,1-Dichloropropene	8.07	75	201421	46.287	ug/l	99
37) Ethyl Acetate	7.25	43	108089	54.435	ug/l	99
38) Carbon Tetrachloride	8.06	117	207342	45.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	235644	46.805	ug/l	99
40) Benzene	8.32	78	580005	49.152	ug/l	100
41) Methacrylonitrile	7.48	41	63249	59.100	ug/l	93
42) 1,2-Dichloroethane	8.40	62	197699	51.252	ug/l	100
43) Isopropyl Acetate	8.42	43	212603	53.470	ug/l	100
44) Trichloroethene	9.09	130	150694	46.616	ug/l	100
45) 1,2-Dichloropropane	9.37	63	149515	49.842	ug/l	99
46) Dibromomethane	9.46	93	83234	50.458	ug/l	100
47) Bromodichloromethane	9.64	83	210165	50.418	ug/l	96
48) Methyl methacrylate	9.43	41	102516	55.689	ug/l	99
49) 1,4-Dioxane	9.44	88	28614	1118.350	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	567759	273.990	ug/l	100
52) Toluene	10.38	92	372951	49.879	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	209957	51.651	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	232449	50.830	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	114979	51.476	ug/l	96
56) Ethyl methacrylate	10.65	69	147250	55.363	ug/l	95
57) 1,3-Dichloropropane	10.93	76	200679	52.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	383233	492.442	ug/l	99
59) 2-Hexanone	10.97	43	392859	279.256	ug/l	99
60) Dibromochloromethane	11.13	129	141987	51.451	ug/l	98
61) 1,2-Dibromoethane	11.23	107	110938	52.147	ug/l	100
64) Tetrachloroethene	10.86	164	134142	47.964	ug/l	96
65) Chlorobenzene	11.66	112	414949	49.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	155467	49.282	ug/l	99
67) Ethyl Benzene	11.73	91	732387	50.067	ug/l	100
68) m/p-Xylenes	11.84	106	563383	99.363	ug/l	100
69) o-Xylene	12.16	106	269524	51.190	ug/l	100
70) Styrene	12.18	104	451363	51.993	ug/l	100
71) Bromoform	12.35	173	87623	50.852	ug/l #	99
73) Isopropylbenzene	12.46	105	751991	50.266	ug/l	100
74) N-amyl acetate	12.27	43	209060	53.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	143754	51.369	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	101877m	48.435	ug/l	
77) Bromobenzene	12.75	156	177035	49.959	ug/l	99
78) n-propylbenzene	12.80	91	908687	49.456	ug/l	99
79) 2-Chlorotoluene	12.89	91	523081	50.115	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	641806	50.447	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	43573	50.831	ug/l	96
82) 4-Chlorotoluene	12.99	91	552467	50.243	ug/l	100
83) tert-Butylbenzene	13.21	119	554680	51.018	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	667110	51.147	ug/l	98
85) sec-Butylbenzene	13.38	105	805378	50.129	ug/l	100
86) p-Isopropyltoluene	13.50	119	718980	50.255	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	359613	49.040	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	356432	48.817	ug/l	99
89) n-Butylbenzene	13.83	91	681042	49.591	ug/l	99
90) Hexachloroethane	14.10	117	140542	49.825	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330474	50.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	27065	54.012	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224163	50.760	ug/l	100
94) Hexachlorobutadiene	15.24	225	131812	46.930	ug/l	99
95) Naphthalene	15.37	128	434554	56.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	203307	51.575	ug/l	100

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

