

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\
 Data File : VW007410.D
 Acq On : 11 Dec 2018 23:11
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 2:42:17 PM

Quant Time: Dec 12 05:53:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	137516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42935	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.88	113	40215	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.32	98	155279	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	59651	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24527	42.707	ug/l	93
3) Chloromethane	2.22	50	22444	46.662	ug/l	93
4) Vinyl Chloride	2.37	62	27064	47.948	ug/l	99
5) Bromomethane	2.78	94	18933	49.923	ug/l	93
6) Chloroethane	2.93	64	15203	48.930	ug/l	94
7) Trichlorofluoromethane	3.26	101	24594	48.464	ug/l	99
8) Diethyl Ether	3.68	74	19033	47.920	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41784	49.901	ug/l	98
10) Methyl Iodide	4.27	142	70093	50.543	ug/l	98
11) Tert butyl alcohol	5.17	59	14863	237.356	ug/l	98
12) 1,1-Dichloroethene	4.03	96	41097	50.976	ug/l	96
13) Acrolein	3.89	56	11130	268.616	ug/l	100
14) Allyl chloride	4.66	41	59331	49.927	ug/l	99
15) Acrylonitrile	5.37	53	41027	245.031	ug/l	98
16) Acetone	4.12	43	39159	245.883	ug/l	98
17) Carbon Disulfide	4.37	76	122936	50.292	ug/l	99
18) Methyl Acetate	4.67	43	20954	48.477	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	61713	50.742	ug/l	98
20) Methylene Chloride	4.92	84	45311	52.199	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46010	51.017	ug/l	99
22) Diisopropyl ether	6.31	45	116194	50.869	ug/l	94
23) Vinyl Acetate	6.26	43	326449	255.512	ug/l	100
24) 1,1-Dichloroethane	6.21	63	78005	50.528	ug/l	98
25) 2-Butanone	7.17	43	53017	254.997	ug/l	96
26) 2,2-Dichloropropane	7.16	77	51111	50.025	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	50320	50.957	ug/l	99
28) Bromochloromethane	7.51	49	27684	47.674	ug/l #	100
29) Tetrahydrofuran	7.53	42	32737	248.719	ug/l	98
30) Chloroform	7.67	83	84852	50.507	ug/l	99
31) Cyclohexane	7.95	56	66208	46.743	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74405	50.503	ug/l	99
36) 1,1-Dichloropropene	8.08	75	64404	51.340	ug/l	99
37) Ethyl Acetate	7.25	43	22763	48.787	ug/l	99
38) Carbon Tetrachloride	8.07	117	71889	52.667	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80055	52.701	ug/l	94
40) Benzene	8.32	78	181404	52.107	ug/l	99
41) Methacrylonitrile	7.48	41	13675	51.468	ug/l	97
42) 1,2-Dichloroethane	8.40	62	56792	51.931	ug/l	99
43) Isopropyl Acetate	8.43	43	47344	51.369	ug/l	99
44) Trichloroethene	9.09	130	52078	52.385	ug/l	96
45) 1,2-Dichloropropane	9.37	63	43126	53.531	ug/l	98
46) Dibromomethane	9.46	93	23704	51.811	ug/l	98
47) Bromodichloromethane	9.65	83	62898	52.413	ug/l	91
48) Methyl methacrylate	9.43	41	23101	48.804	ug/l	93
49) 1,4-Dioxane	9.45	88	7909	1065.424	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	115363	264.913	ug/l	100
52) Toluene	10.39	92	120010	53.268	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62816	53.918	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	71569	53.140	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33411	53.658	ug/l	94
56) Ethyl methacrylate	10.65	69	39677	53.014	ug/l	98
57) 1,3-Dichloropropane	10.93	76	56450	55.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91610	265.435	ug/l	100
59) 2-Hexanone	10.97	43	81132	279.404	ug/l	100
60) Dibromochloromethane	11.13	129	44300	56.376	ug/l	99
61) 1,2-Dibromoethane	11.24	107	33764	54.871	ug/l	96
64) Tetrachloroethene	10.86	164	44358	49.596	ug/l	94
65) Chlorobenzene	11.66	112	134777	51.992	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	47836	52.394	ug/l	99
67) Ethyl Benzene	11.73	91	236885	53.151	ug/l	91
68) m/p-Xylenes	11.84	106	183212	105.742	ug/l	99
69) o-Xylene	12.17	106	86557	53.491	ug/l	99
70) Styrene	12.18	104	143781	55.011	ug/l	97
71) Bromoform	12.35	173	23878	51.096	ug/l	# 97
73) Isopropylbenzene	12.47	105	241053	51.532	ug/l	98
74) N-amyl acetate	12.27	43	44565	52.421	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	36280	52.365	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	23521m	46.728	ug/l	
77) Bromobenzene	12.75	156	54576	52.635	ug/l	96
78) n-propylbenzene	12.81	91	281461	53.465	ug/l	100
79) 2-Chlorotoluene	12.90	91	164394	51.609	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	206927	52.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11415	50.095	ug/l	95
82) 4-Chlorotoluene	12.99	91	172319	51.321	ug/l	97
83) tert-Butylbenzene	13.21	119	181590	52.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	211674	52.335	ug/l	98
85) sec-Butylbenzene	13.39	105	248913	52.649	ug/l	96
86) p-Isopropyltoluene	13.51	119	220733	51.970	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	107494	51.997	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	108960	52.427	ug/l	97
89) n-Butylbenzene	13.83	91	206604	52.471	ug/l	98
90) Hexachloroethane	14.10	117	40330	53.366	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	96521	52.128	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6909	49.692	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	66475	52.168	ug/l	95
94) Hexachlorobutadiene	15.24	225	34485	51.005	ug/l	99
95) Naphthalene	15.38	128	128309	52.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	58666	52.999	ug/l	97

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

