

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000944.D
 Acq On : 24 Jan 2018 13:10
 Operator : JC/SY
 Sample : J1161-03 MDL 2.0 PPB
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:33:56 PM

Quant Time: Jan 25 11:53:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	359900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	322724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119171	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.89	113	96179	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
50) Toluene-d8	10.34	98	424722	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.63	95	145779	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5469	2.31	ug/l	99
3) Chloromethane	2.22	50	4801	2.30	ug/l	95
4) Vinyl Chloride	2.36	62	4041	2.08	ug/l #	84
5) Bromomethane	2.76	94	3648	2.74	ug/l	90
6) Chloroethane	2.91	64	2332	2.16	ug/l	100
7) Trichlorofluoromethane	3.26	101	7344	2.05	ug/l	84
8) Diethyl Ether	3.67	74	1973	2.20	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	4.04	101	5525	2.39	ug/l	95
10) Methyl Iodide	4.27	142	3770	6.24	ug/l	95
11) Tert butyl alcohol	5.18	59	3166m	12.41	ug/l	
12) 1,1-Dichloroethene	4.03	96	4620	2.32	ug/l #	79
13) Acrolein	3.90	56	2156	8.66	ug/l	99
14) Allyl chloride	4.66	41	6214	2.01	ug/l	95
15) Acrylonitrile	5.38	53	6815	9.73	ug/l	98
16) Acetone	4.13	43	10846	27.74	ug/l	94
17) Carbon Disulfide	4.37	76	13359	2.03	ug/l #	95
18) Methyl Acetate	4.68	43	3690	2.13	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	9862	1.93	ug/l	93
20) Methylene Chloride	4.91	84	10420	2.04	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	4624	2.00	ug/l	87
22) Diisopropyl ether	6.32	45	9559	1.72	ug/l #	95
23) Vinyl Acetate	6.26	43	14937m	4.33	ug/l	
24) 1,1-Dichloroethane	6.23	63	7647	2.06	ug/l	97
25) 2-Butanone	7.18	43	10277	9.88	ug/l	93
26) 2,2-Dichloropropane	7.17	77	9880	2.63	ug/l	86
27) cis-1,2-Dichloroethene	7.17	96	4376	1.83	ug/l	72
28) Bromochloromethane	7.51	49	2823	1.81	ug/l	93
29) Tetrahydrofuran	7.53	42	4963	8.67	ug/l	98
30) Chloroform	7.68	83	7833m	1.96	ug/l	
31) Cyclohexane	7.95	56	11842	3.09	ug/l #	68
32) 1,1,1-Trichloroethane	7.87	97	7791	2.01	ug/l	98
36) 1,1-Dichloropropene	8.08	75	6947	2.02	ug/l	97
37) Ethyl Acetate	7.26	43	3892	2.01	ug/l #	89
38) Carbon Tetrachloride	8.06	117	6588	1.74	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	7635	1.85	ug/l	97
40) Benzene	8.32	78	18249	1.95	ug/l	100
41) Methacrylonitrile	7.49	41	1773	1.63	ug/l #	87
42) 1,2-Dichloroethane	8.41	62	5631	1.96	ug/l	99
43) Isopropyl Acetate	8.43	43	5870	1.79	ug/l	96
44) Trichloroethene	9.09	130	5827	2.10	ug/l	81
45) 1,2-Dichloropropane	9.37	63	4363	2.00	ug/l	93
46) Dibromomethane	9.46	93	2366	1.70	ug/l	94
47) Bromodichloromethane	9.65	83	5298	1.72	ug/l	90
48) Methyl methacrylate	9.45	41	2540	1.61	ug/l #	86
49) 1,4-Dioxane	9.45	88	1058	34.78	ug/l #	86
51) 4-Methyl-2-Pentanone	10.22	43	15418	8.15	ug/l	97
52) Toluene	10.40	92	11541	1.96	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	5299	1.70	ug/l	89
54) cis-1,3-Dichloropropene	10.08	75	5699	1.66	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	3891	2.00	ug/l #	88
56) Ethyl methacrylate	10.66	69	3695	4.57	ug/l #	89
57) 1,3-Dichloropropane	10.94	76	5824	1.83	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	5271	29.04	ug/l	99
59) 2-Hexanone	10.98	43	10940	20.87	ug/l	92
60) Dibromochloromethane	11.13	129	4050	1.73	ug/l	94
61) 1,2-Dibromoethane	11.24	107	3570	1.76	ug/l	97
64) Tetrachloroethene	10.87	164	5968	2.23	ug/l	97
65) Chlorobenzene	11.67	112	13078	1.98	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	4491	1.89	ug/l #	64
67) Ethyl Benzene	11.74	91	20403	1.82	ug/l	97
68) m/p-Xylenes	11.85	106	14839	3.41	ug/l	98
69) o-Xylene	12.18	106	6698	1.68	ug/l	99
70) Styrene	12.19	104	10335	1.59	ug/l	96
71) Bromoform	12.37	173	2714	1.68	ug/l #	94
73) Isopropylbenzene	12.48	105	18884	1.72	ug/l	99
74) N-amyl acetate	12.29	43	4165	1.56	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	4181	1.78	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	3562m	1.81	ug/l	
77) Bromobenzene	12.76	156	5510	1.97	ug/l	97
78) n-propylbenzene	12.82	91	24917	1.88	ug/l	99
79) 2-Chlorotoluene	12.91	91	14238	1.90	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	16157	1.73	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	861m	5.53	ug/l	
82) 4-Chlorotoluene	13.01	91	15145	1.91	ug/l	98
83) tert-Butylbenzene	13.23	119	14186	1.73	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	15305	1.62	ug/l	96
85) sec-Butylbenzene	13.40	105	20265	1.72	ug/l	98
86) p-Isopropyltoluene	13.52	119	16782	1.60	ug/l	94
87) 1,3-Dichlorobenzene	13.51	146	10980	1.98	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	11277	2.03	ug/l	79
89) n-Butylbenzene	13.84	91	18603	1.89	ug/l	94
90) Hexachloroethane	14.11	117	3901	2.00	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	9857	1.97	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1018	1.96	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7687	2.07	ug/l	97
94) Hexachlorobutadiene	15.26	225	4700	1.99	ug/l	96
95) Naphthalene	15.39	128	13600	1.73	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.58	180	6643	1.94	ug/l	96

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

