

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000942.D
 Acq On : 24 Jan 2018 12:21
 Operator : JC/SY
 Sample : J1161-01 LOD 2.0PPB
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:33:54 PM

Quant Time: Jan 25 11:48:59 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	232902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	335802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123471	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
35) Dibromofluoromethane	7.88	113	101904	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.33	98	432584	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.63	95	146709	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5372	2.39	ug/l	96
3) Chloromethane	2.22	50	4685	2.36	ug/l	91
4) Vinyl Chloride	2.36	62	3877	2.10	ug/l	90
5) Bromomethane	2.77	94	3493	2.76	ug/l	98
6) Chloroethane	2.92	64	2204	2.15	ug/l	92
7) Trichlorofluoromethane	3.26	101	7709	2.27	ug/l	94
8) Diethyl Ether	3.68	74	1881	2.21	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4617	2.10	ug/l	97
10) Methyl Iodide	4.26	142	3419	6.18	ug/l	95
11) Tert butyl alcohol	5.18	59	2225m	9.19	ug/l	
12) 1,1-Dichloroethene	4.03	96	3925	2.08	ug/l #	82
13) Acrolein	3.89	56	1624	6.87	ug/l #	82
14) Allyl chloride	4.67	41	5957	2.03	ug/l	94
15) Acrylonitrile	5.38	53	6461	9.71	ug/l	96
16) Acetone	4.13	43	9751	27.23	ug/l #	82
17) Carbon Disulfide	4.37	76	12427	1.99	ug/l	100
18) Methyl Acetate	4.68	43	3495	2.13	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	9231	1.90	ug/l	97
20) Methylene Chloride	4.92	84	8992	1.57	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	4452	2.03	ug/l #	81
22) Diisopropyl ether	6.32	45	8564	1.63	ug/l	94
23) Vinyl Acetate	6.25	43	14864m	4.54	ug/l	
24) 1,1-Dichloroethane	6.21	63	6996	1.99	ug/l #	92
25) 2-Butanone	7.18	43	10243	10.37	ug/l	99
26) 2,2-Dichloropropane	7.17	77	9251	2.59	ug/l	86
27) cis-1,2-Dichloroethene	7.16	96	4332	1.91	ug/l	74
28) Bromochloromethane	7.51	49	3154	2.13	ug/l #	98
29) Tetrahydrofuran	7.54	42	5027	9.25	ug/l	95
30) Chloroform	7.68	83	7730	2.03	ug/l	94
31) Cyclohexane	7.95	56	10934	3.01	ug/l #	69
32) 1,1,1-Trichloroethane	7.87	97	7180	1.95	ug/l	95
36) 1,1-Dichloropropene	8.08	75	6931	2.16	ug/l #	83
37) Ethyl Acetate	7.26	43	3597	1.99	ug/l #	97
38) Carbon Tetrachloride	8.06	117	6443	1.82	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	7489	1.94	ug/l	94
40) Benzene	8.33	78	16950	1.95	ug/l	99
41) Methacrylonitrile	7.49	41	1518	1.50	ug/l #	72
42) 1,2-Dichloroethane	8.40	62	5054	1.88	ug/l	98
43) Isopropyl Acetate	8.43	43	5620	1.83	ug/l	96
44) Trichloroethene	9.10	130	5430	2.10	ug/l	91
45) 1,2-Dichloropropane	9.38	63	3875	1.91	ug/l	97
46) Dibromomethane	9.46	93	2190	1.69	ug/l	97
47) Bromodichloromethane	9.65	83	4774	1.66	ug/l #	87
48) Methyl methacrylate	9.44	41	2666	1.81	ug/l	97
49) 1,4-Dioxane	9.45	88	932	32.84	ug/l #	74
51) 4-Methyl-2-Pentanone	10.22	43	14048	7.96	ug/l	95
52) Toluene	10.40	92	11069	2.01	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	4843	1.66	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	4989	1.56	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	3315	1.83	ug/l #	93
56) Ethyl methacrylate	10.66	69	3394	4.55	ug/l #	84
57) 1,3-Dichloropropane	10.94	76	5562	1.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	4308	28.65	ug/l	97
59) 2-Hexanone	10.98	43	10207	20.87	ug/l	91
60) Dibromochloromethane	11.14	129	3918	1.79	ug/l	98
61) 1,2-Dibromoethane	11.24	107	3244	1.72	ug/l	100
64) Tetrachloroethene	10.87	164	5443	2.17	ug/l	92
65) Chlorobenzene	11.67	112	11757	1.89	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	3840	1.72	ug/l #	61
67) Ethyl Benzene	11.74	91	19353	1.84	ug/l	95
68) m/p-Xylenes	11.85	106	13625	3.34	ug/l	96
69) o-Xylene	12.18	106	6181	1.65	ug/l	100
70) Styrene	12.19	104	9626	1.58	ug/l	96
71) Bromoform	12.36	173	2533	1.67	ug/l #	98
73) Isopropylbenzene	12.48	105	17497	1.67	ug/l	100
74) N-amyl acetate	12.29	43	3897	1.54	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	4047	1.81	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	3472m	1.85	ug/l	
77) Bromobenzene	12.76	156	5135	1.93	ug/l	97
78) n-propylbenzene	12.82	91	23554	1.87	ug/l	99
79) 2-Chlorotoluene	12.91	91	13871	1.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	15105	1.70	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	745m	5.44	ug/l	
82) 4-Chlorotoluene	13.01	91	14099	1.87	ug/l	99
83) tert-Butylbenzene	13.23	119	13641	1.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	14004	1.56	ug/l	99
85) sec-Butylbenzene	13.40	105	19438	1.73	ug/l	98
86) p-Isopropyltoluene	13.52	119	16155	1.62	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	10058	1.91	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	10874m	2.06	ug/l	
89) n-Butylbenzene	13.84	91	16964	1.81	ug/l	96
90) Hexachloroethane	14.11	117	3707	2.00	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	9138	1.92	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	838	1.70	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	6783	1.92	ug/l	96
94) Hexachlorobutadiene	15.26	225	5030	2.24	ug/l	95
95) Naphthalene	15.40	128	11472	1.53	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.58	180	5946	1.83	ug/l	93

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

