

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000943.D
 Acq On : 24 Jan 2018 12:46
 Operator : JC/SY
 Sample : J1161-02 L00 10 PPB
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:33:55 PM

Quant Time: Jan 25 04:30:49 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	243292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	341060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	170336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120540	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.88	113	100218	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.33	98	435734	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.63	95	154950	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23979	10.22	ug/l	97
3) Chloromethane	2.22	50	23242	11.21	ug/l	100
4) Vinyl Chloride	2.36	62	19658	10.19	ug/l	99
5) Bromomethane	2.73	94	14336	9.97	ug/l	96
6) Chloroethane	2.89	64	10720	10.00	ug/l	95
7) Trichlorofluoromethane	3.25	101	36152	10.18	ug/l	91
8) Diethyl Ether	3.68	74	8903	10.01	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	25090	10.94	ug/l	99
10) Methyl Iodide	4.26	142	17111	11.21	ug/l	99
11) Tert butyl alcohol	5.20	59	12386m	48.98	ug/l	
12) 1,1-Dichloroethene	4.02	96	21261	10.78	ug/l	95
13) Acrolein	3.89	56	12873	52.14	ug/l	93
14) Allyl chloride	4.65	41	31476	10.25	ug/l	98
15) Acrylonitrile	5.37	53	38457	55.36	ug/l	100
16) Acetone	4.13	43	42079	56.40	ug/l #	86
17) Carbon Disulfide	4.36	76	65516	10.06	ug/l	96
18) Methyl Acetate	4.68	43	20453	11.92	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	49661	9.81	ug/l	97
20) Methylene Chloride	4.91	84	27146	10.56	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	23510	10.26	ug/l	96
22) Diisopropyl ether	6.31	45	54398	9.89	ug/l	93
23) Vinyl Acetate	6.26	43	127589	37.34	ug/l	98
24) 1,1-Dichloroethane	6.21	63	37458	10.17	ug/l	97
25) 2-Butanone	7.18	43	52397	50.79	ug/l	99
26) 2,2-Dichloropropane	7.17	77	37783	10.14	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	24129	10.19	ug/l	97
28) Bromochloromethane	7.51	49	15777	10.20	ug/l	99
29) Tetrahydrofuran	7.53	42	31774	55.98	ug/l	99
30) Chloroform	7.68	83	40080	10.09	ug/l	95
31) Cyclohexane	7.95	56	39637	10.43	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	39060	10.18	ug/l	99
36) 1,1-Dichloropropene	8.08	75	32842	10.09	ug/l	98
37) Ethyl Acetate	7.26	43	19824	10.79	ug/l	100
38) Carbon Tetrachloride	8.07	117	35428	9.87	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	38673	9.87	ug/l	92
40) Benzene	8.32	78	89117	10.07	ug/l	98
41) Methacrylonitrile	7.49	41	9955	9.66	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	28034	10.28	ug/l	98
43) Isopropyl Acetate	8.43	43	32279	10.37	ug/l	99
44) Trichloroethene	9.09	130	27092	10.30	ug/l	98
45) 1,2-Dichloropropane	9.37	63	21232	10.28	ug/l	94
46) Dibromomethane	9.46	93	13048	9.89	ug/l	98
47) Bromodichloromethane	9.65	83	29020	9.95	ug/l	97
48) Methyl methacrylate	9.44	41	14494	9.69	ug/l	94
49) 1,4-Dioxane	9.45	88	6617	229.53	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	93787	52.34	ug/l	100
52) Toluene	10.40	92	57664	10.32	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	28146	9.52	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	30611	9.42	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	18945	10.29	ug/l	96
56) Ethyl methacrylate	10.66	69	21412	11.35	ug/l	96
57) 1,3-Dichloropropane	10.94	76	31503	10.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	36636	49.26	ug/l	100
59) 2-Hexanone	10.98	43	67893	55.24	ug/l	99
60) Dibromochloromethane	11.14	129	22594	10.16	ug/l	98
61) 1,2-Dibromoethane	11.24	107	19255	10.03	ug/l	97
64) Tetrachloroethene	10.87	164	28138	10.93	ug/l	97
65) Chlorobenzene	11.67	112	64688	10.16	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	23041	10.08	ug/l	99
67) Ethyl Benzene	11.74	91	107572	10.01	ug/l	98
68) m/p-Xylenes	11.85	106	83037	19.87	ug/l	99
69) o-Xylene	12.18	106	36805	9.61	ug/l	100
70) Styrene	12.20	104	61001	9.77	ug/l	98
71) Bromoform	12.36	173	15131	9.76	ug/l #	98
73) Isopropylbenzene	12.48	105	105334	9.57	ug/l	99
74) N-amyl acetate	12.29	43	27188	10.17	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	24731	10.51	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	19550m	9.92	ug/l	
77) Bromobenzene	12.76	156	27456	9.80	ug/l	94
78) n-propylbenzene	12.82	91	132535	9.98	ug/l	99
79) 2-Chlorotoluene	12.91	91	75508	10.08	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	92303	9.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5303	10.67	ug/l	90
82) 4-Chlorotoluene	13.01	91	81359	10.22	ug/l	99
83) tert-Butylbenzene	13.23	119	79123	9.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	93076	9.83	ug/l	100
85) sec-Butylbenzene	13.40	105	116780	9.86	ug/l	100
86) p-Isopropyltoluene	13.52	119	102545	9.76	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	57403	10.33	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	56502	10.17	ug/l	96
89) n-Butylbenzene	13.84	91	94062	9.54	ug/l	98
90) Hexachloroethane	14.11	117	18857	9.66	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	52778	10.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5543	10.68	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	37305	10.00	ug/l	99
94) Hexachlorobutadiene	15.26	225	24293	10.28	ug/l	98
95) Naphthalene	15.39	128	73325	9.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	33981	9.91	ug/l	99

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

