

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\
 Data File : VW003666.D
 Acq On : 29 Jun 2018 17:41
 Operator : SY/AP
 Sample : J3762-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

apatel
 7/2/2018 10:30:58 AM

Quant Time: Jun 30 04:45:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	183437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	300346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	142478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115918	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
35) Dibromofluoromethane	7.88	113	99174	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	10.33	98	378331	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.62	95	131918	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	1865	3.36	ug/l	85
3) Chloromethane	2.20	50	3708	2.65	ug/l	97
4) Vinyl Chloride	2.36	62	5165	2.53	ug/l	99
5) Bromomethane	2.78	94	3362	2.48	ug/l	91
6) Chloroethane	2.92	64	3083	2.17	ug/l	96
7) Trichlorofluoromethane	3.25	101	2869	2.34	ug/l	95
8) Diethyl Ether	3.67	74	2789	3.10	ug/l #	30
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4344	2.56	ug/l	97
10) Methyl Iodide	4.26	142	6027	2.35	ug/l #	64
11) Tert butyl alcohol	5.20	59	1973m	18.52	ug/l	
12) 1,1-Dichloroethene	4.03	96	4105m	2.47	ug/l	
13) Acrolein	3.90	56	1213	7.96	ug/l #	77
14) Allyl chloride	4.66	41	7048	2.45	ug/l	96
15) Acrylonitrile	5.38	53	4693	12.69	ug/l	96
16) Acetone	4.13	43	9098	21.83	ug/l	91
17) Carbon Disulfide	4.37	76	12431	2.53	ug/l	98
18) Methyl Acetate	4.68	43	3984	4.03	ug/l	91
19) Methyl tert-butyl Ether	5.43	73	6904	2.22	ug/l #	88
20) Methylene Chloride	4.91	84	18042	7.04	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	4379	2.42	ug/l #	92
22) Diisopropyl ether	6.31	45	11097	1.92	ug/l #	83
23) Vinyl Acetate	6.26	43	29347	8.80	ug/l #	92
24) 1,1-Dichloroethane	6.21	63	8470	2.46	ug/l	98
25) 2-Butanone	7.19	43	8362	16.14	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	7025	3.06	ug/l	87
27) cis-1,2-Dichloroethene	7.18	96	4464	2.25	ug/l	81
28) Bromochloromethane	7.51	49	3118	2.18	ug/l #	99
29) Tetrahydrofuran	7.54	42	3907	12.34	ug/l	97
30) Chloroform	7.68	83	8789	2.51	ug/l	95
31) Cyclohexane	7.95	56	10745	3.35	ug/l #	54
32) 1,1,1-Trichloroethane	7.87	97	6930	2.40	ug/l	99
36) 1,1-Dichloropropene	8.09	75	6366	2.19	ug/l	98
37) Ethyl Acetate	7.27	43	3588	2.99	ug/l	97
38) Carbon Tetrachloride	8.07	117	6467	2.27	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	7033	2.10	ug/l	92
40) Benzene	8.33	78	18729	2.34	ug/l	99
41) Methacrylonitrile	7.48	41	1294	1.75	ug/l #	81
42) 1,2-Dichloroethane	8.40	62	6041	2.41	ug/l	98
43) Isopropyl Acetate	8.43	43	5338	2.24	ug/l	93
44) Trichloroethene	9.10	130	4850	2.29	ug/l	98
45) 1,2-Dichloropropane	9.37	63	4650	2.28	ug/l	97
46) Dibromomethane	9.46	93	2540	2.44	ug/l	95
47) Bromodichloromethane	9.65	83	6112	2.29	ug/l #	99
48) Methyl methacrylate	9.45	41	2278	2.03	ug/l #	80
49) 1,4-Dioxane	9.47	88	780	49.57	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	13260	10.91	ug/l	99
52) Toluene	10.39	92	11950	2.33	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	5742	2.10	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	6132	1.97	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	3670	2.50	ug/l	95
56) Ethyl methacrylate	10.65	69	3279	1.84	ug/l #	85
57) 1,3-Dichloropropane	10.94	76	5786	2.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	7149	8.94	ug/l	97
59) 2-Hexanone	10.98	43	8932	10.52	ug/l	94
60) Dibromochloromethane	11.13	129	3645	2.09	ug/l	97
61) 1,2-Dibromoethane	11.24	107	3173	2.28	ug/l	96
64) Tetrachloroethene	10.87	164	4254	2.27	ug/l	95
65) Chlorobenzene	11.66	112	12510	2.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	4273	2.09	ug/l	96
67) Ethyl Benzene	11.74	91	19724	1.91	ug/l	97
68) m/p-Xylenes	11.85	106	13968	3.56	ug/l	94
69) o-Xylene	12.17	106	6581	1.81	ug/l	96
70) Styrene	12.18	104	9805	1.62	ug/l	97
71) Bromoform	12.35	173	2053	1.94	ug/l #	98
73) Isopropylbenzene	12.47	105	17022	1.72	ug/l	100
74) N-amyl acetate	12.28	43	4532	2.01	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	3906	2.33	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	3403m	2.79	ug/l	
77) Bromobenzene	12.75	156	5032	2.18	ug/l	94
78) n-propylbenzene	12.81	91	24045	1.98	ug/l	98
79) 2-Chlorotoluene	12.90	91	14024	2.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	14791	1.78	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	1022m	1.93	ug/l	
82) 4-Chlorotoluene	12.99	91	14395	1.98	ug/l	98
83) tert-Butylbenzene	13.21	119	12518	1.77	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	14611	1.71	ug/l	98
85) sec-Butylbenzene	13.39	105	18351	1.74	ug/l	99
86) p-Isopropyltoluene	13.51	119	14526	1.56	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	9845	2.08	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	10164	2.16	ug/l	84
89) n-Butylbenzene	13.83	91	16887	1.86	ug/l	94
90) Hexachloroethane	14.10	117	3663	2.18	ug/l	92
91) 1,2-Dichlorobenzene	13.88	146	8904	2.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	726	2.57	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	5906	2.03	ug/l	99
94) Hexachlorobutadiene	15.24	225	3702	2.11	ug/l	99
95) Naphthalene	15.38	128	8747	1.77	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	5236	2.04	ug/l	98

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

