

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012319\
 Data File : VV009247.D
 Acq On : 23 Jan 2019 14:39
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:10:25 PM

Quant Time: Jan 24 04:08:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:54:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	79868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	138264	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	126931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	62581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.08	65	54323	55.77	ug/l	0.00
Spiked Amount			Recovery	=	111.54%	
35) Dibromofluoromethane	4.64	113	46088	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	7.36	98	173645	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.12	95	64021	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.15	85	1334	2.065	ug/l	89
3) Chloromethane	1.24	50	2088	2.401	ug/l	93
4) Vinyl Chloride	1.32	62	2045	2.070	ug/l	91
5) Bromomethane	1.53	94	1319	2.354	ug/l	95
6) Chloroethane	1.59	64	1284	2.325	ug/l	92
7) Trichlorofluoromethane	1.76	101	1147	1.654	ug/l	91
8) Diethyl Ether	1.96	74	983	2.254	ug/l	53
9) 1,1,2-Trichlorotrifluoroet	2.13	101	1892	2.196	ug/l	97
10) Methyl Iodide	2.25	142	3190	2.320	ug/l	96
11) Tert butyl alcohol	2.65	59	2961	31.673	ug/l #	76
12) 1,1-Dichloroethene	2.14	96	2057	2.432	ug/l #	85
13) Acrolein	2.06	56	740	Below Cal	#	83
14) Allyl chloride	2.42	41	3202	2.196	ug/l	93
15) Acrylonitrile	2.76	53	2858	15.129	ug/l	97
16) Acetone	2.17	43	4030	15.250	ug/l	96
17) Carbon Disulfide	2.31	76	5797	2.240	ug/l #	90
18) Methyl Acetate	2.45	43	2525	3.577	ug/l	91
19) Methyl tert-butyl Ether	2.79	73	3462	2.636	ug/l	99
20) Methylene Chloride	2.53	84	5965	2.954	ug/l	95
21) trans-1,2-Dichloroethene	2.78	96	2185	2.397	ug/l	88
22) Diisopropyl ether	3.33	45	7528	2.425	ug/l #	83
23) Vinyl Acetate	3.30	43	20420	12.122	ug/l	97
24) 1,1-Dichloroethane	3.22	63	4565	2.363	ug/l	97
25) 2-Butanone	4.02	43	4035	13.352	ug/l	96
26) 2,2-Dichloropropane	3.95	77	2384	2.193	ug/l #	63
27) cis-1,2-Dichloroethene	3.95	96	2657	2.412	ug/l	95
28) Bromochloromethane	4.29	49	1527	2.142	ug/l #	96
29) Tetrahydrofuran	4.39	42	2404	14.627	ug/l	90
30) Chloroform	4.42	83	4415	2.276	ug/l	97
31) Cyclohexane	4.72	56	5532	3.137	ug/l #	63
32) 1,1,1-Trichloroethane	4.65	97	3714	2.272	ug/l	96
36) 1,1-Dichloropropene	4.87	75	3545	2.309	ug/l	96
37) Ethyl Acetate	4.13	43	811	1.375	ug/l #	67
38) Carbon Tetrachloride	4.87	117	3143	2.045	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	3893	2.142	ug/l	86
40) Benzene	5.14	78	9995	2.328	ug/l	100
41) Methacrylonitrile	4.32	41	769	2.163	ug/l #	84
42) 1,2-Dichloroethane	5.17	62	3400	2.530	ug/l	88
43) Isopropyl Acetate	5.33	43	3185	2.745	ug/l #	91
44) Trichloroethene	5.96	130	2749	2.433	ug/l	86
45) 1,2-Dichloropropane	6.22	63	2376	2.301	ug/l	90
46) Dibromomethane	6.35	93	1217	2.297	ug/l	91
47) Bromodichloromethane	6.55	83	3072	2.194	ug/l	94
48) Methyl methacrylate	6.42	41	1447	2.444	ug/l	91
49) 1,4-Dioxane	6.42	88	320	47.405	ug/l #	61
51) 4-Methyl-2-Pentanone	7.27	43	7787	13.222	ug/l	98
52) Toluene	7.43	92	6110	2.250	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	2752	2.019	ug/l	95
54) cis-1,3-Dichloropropene	7.07	75	3342	2.129	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	1868	2.502	ug/l	93
56) Ethyl methacrylate	7.83	69	1902	2.186	ug/l	94
57) 1,3-Dichloropropane	8.06	76	3376	2.497	ug/l	94
59) 2-Hexanone	8.19	43	4952	11.625	ug/l	100
60) Dibromochloromethane	8.29	129	2007	2.296	ug/l	99
61) 1,2-Dibromoethane	8.40	107	1673	2.291	ug/l	98
64) Tetrachloroethene	8.02	164	2115	2.342	ug/l	97
65) Chlorobenzene	8.93	112	6745	2.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	2241	2.220	ug/l	89
67) Ethyl Benzene	9.06	91	11508	2.187	ug/l	93
68) m/p-Xylenes	9.18	106	8606	4.309	ug/l	92
69) o-Xylene	9.59	106	3646	1.969	ug/l	95
70) Styrene	9.60	104	5838	1.976	ug/l	97
71) Bromoform	9.78	173	1081	2.271	ug/l #	98
73) Isopropylbenzene	9.98	105	10203	1.974	ug/l	100
74) N-amyl acetate	9.84	43	2049	2.144	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.29	83	2441	2.802	ug/l #	90
76) 1,2,3-Trichloropropane	10.32	75	2134	3.115	ug/l #	63
77) Bromobenzene	10.26	156	2620	2.370	ug/l	99
78) n-propylbenzene	10.40	91	13159	2.148	ug/l	100
79) 2-Chlorotoluene	10.47	91	8452	2.287	ug/l	95
80) 1,3,5-Trimethylbenzene	10.58	105	9162	2.114	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.05	75	471m	1.945	ug/l	
82) 4-Chlorotoluene	10.59	91	9224	2.119	ug/l	98
83) tert-Butylbenzene	10.91	119	8796	2.131	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	9062	2.073	ug/l	98
85) sec-Butylbenzene	11.14	105	11350	2.100	ug/l	96
86) p-Isopropyltoluene	11.29	119	9690	2.047	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	5477	2.386	ug/l	96
88) 1,4-Dichlorobenzene	11.32	146	5548	2.391	ug/l	81
89) n-Butylbenzene	11.70	91	9056	1.971	ug/l	98
90) Hexachloroethane	11.95	117	1623	1.928	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	4947	2.442	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	264	1.805	ug/l	77
93) 1,2,4-Trichlorobenzene	13.31	180	3177	2.436	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	1931	2.389	ug/l	97
95) Naphthalene	13.56	128	5002	2.218	ug/l	97
96) 1,2,3-Trichlorobenzene	13.80	180	2734	2.476	ug/l	99

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

