

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012319\
 Data File : VV009248.D
 Acq On : 23 Jan 2019 15:07
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:10:38 PM

Quant Time: Jan 24 04:13:29 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	75855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	130389	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	120796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	59226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	48223	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	4.64	113	41696	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.36	98	158453	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	10.12	95	58830	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1240	2.021 ug/l	99
3) Chloromethane	1.25	50	1974	2.390 ug/l	99
4) Vinyl Chloride	1.32	62	1970	2.099 ug/l	93
5) Bromomethane	1.53	94	1192	2.240 ug/l #	78
6) Chloroethane	1.60	64	1125	2.145 ug/l	98
7) Trichlorofluoromethane	1.76	101	1153	1.751 ug/l	86
8) Diethyl Ether	1.96	74	971	2.344 ug/l	66
9) 1,1,2-Trichlorotrifluoroet	2.13	101	1680	2.053 ug/l	95
10) Methyl Iodide	2.25	142	2974	2.277 ug/l #	96
11) Tert butyl alcohol	2.65	59	2434m	24.249 ug/l	
12) 1,1-Dichloroethene	2.14	96	1708	2.126 ug/l	90
13) Acrolein	2.05	56	649	Below Cal	85
14) Allyl chloride	2.42	41	3153	2.277 ug/l	95
15) Acrylonitrile	2.76	53	2303	12.836 ug/l	95
16) Acetone	2.18	43	3475	13.845 ug/l	95
17) Carbon Disulfide	2.31	76	5105	2.077 ug/l	99
18) Methyl Acetate	2.44	43	2362	3.523 ug/l	92
19) Methyl tert-butyl Ether	2.80	73	3040	2.438 ug/l	97
20) Methylene Chloride	2.52	84	5758	3.076 ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	1960	2.264 ug/l	84
22) Diisopropyl ether	3.32	45	6879	2.333 ug/l #	86
23) Vinyl Acetate	3.30	43	17988	11.244 ug/l	99
24) 1,1-Dichloroethane	3.22	63	4079	2.224 ug/l #	93
25) 2-Butanone	4.02	43	3328	11.596 ug/l	99
26) 2,2-Dichloropropane	3.95	77	1995	1.932 ug/l	87
27) cis-1,2-Dichloroethene	3.95	96	2261	2.161 ug/l	96
28) Bromochloromethane	4.29	49	1447	2.138 ug/l #	95
29) Tetrahydrofuran	4.40	42	2141m	13.715 ug/l	
30) Chloroform	4.42	83	4179	2.268 ug/l	100
31) Cyclohexane	4.73	56	5245	3.132 ug/l #	64
32) 1,1,1-Trichloroethane	4.65	97	3317	2.136 ug/l	99
36) 1,1-Dichloropropene	4.87	75	3462	2.391 ug/l	93
37) Ethyl Acetate	4.14	43	1552	2.790 ug/l #	67
38) Carbon Tetrachloride	4.87	117	2874	1.983 ug/l	97

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

39) Methylcyclohexane	6.17	83	3926	2.290	ug/l #	93
40) Benzene	5.14	78	9422	2.327	ug/l	94
41) Methacrylonitrile	4.31	41	661	1.971	ug/l #	87
42) 1,2-Dichloroethane	5.18	62	2936	2.317	ug/l	86
43) Isopropyl Acetate	5.33	43	2602	2.378	ug/l #	87
44) Trichloroethene	5.96	130	2125	1.994	ug/l	99
45) 1,2-Dichloropropane	6.22	63	2083	2.139	ug/l	96
46) Dibromomethane	6.35	93	1179	2.359	ug/l	97
47) Bromodichloromethane	6.55	83	2738	2.073	ug/l	94
48) Methyl methacrylate	6.42	41	1213	2.172	ug/l	94
49) 1,4-Dioxane	6.41	88	268m	42.099	ug/l	
51) 4-Methyl-2-Pentanone	7.27	43	6882	12.391	ug/l	96
52) Toluene	7.43	92	5627	2.197	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	2589	2.014	ug/l	91
54) cis-1,3-Dichloropropene	7.07	75	2934	1.982	ug/l	93
55) 1,1,2-Trichloroethane	7.88	97	1707	2.424	ug/l	88
56) Ethyl methacrylate	7.84	69	1682	2.050	ug/l	98
57) 1,3-Dichloropropane	8.06	76	2849	2.235	ug/l	97
59) 2-Hexanone	8.19	43	4696	11.690	ug/l	90
60) Dibromochloromethane	8.29	129	1689	2.049	ug/l	95
61) 1,2-Dibromoethane	8.40	107	1504	2.184	ug/l	98
64) Tetrachloroethene	8.02	164	1998	2.324	ug/l	87
65) Chlorobenzene	8.93	112	6082	2.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.02	131	2016	2.099	ug/l	90
67) Ethyl Benzene	9.06	91	9945	1.986	ug/l	94
68) m/p-Xylenes	9.18	106	7787	4.097	ug/l	93
69) o-Xylene	9.59	106	3269	1.855	ug/l	93
70) Stvrene	9.60	104	5271	1.874	ug/l	97
71) Bromoform	9.77	173	843	1.861	ug/l #	92
73) Isopropylbenzene	9.97	105	9317	1.905	ug/l	100
74) N-amyl acetate	9.84	43	1874	2.072	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	10.29	83	2035	2.468	ug/l	89
76) 1,2,3-Trichloropropane	10.32	75	1473m	2.272	ug/l	
77) Bromobenzene	10.26	156	2284	2.183	ug/l	88
78) n-propylbenzene	10.40	91	11714	2.020	ug/l	96
79) 2-Chlorotoluene	10.47	91	7628	2.180	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	7475	1.822	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.05	75	427m	1.864	ug/l	
82) 4-Chlorotoluene	10.59	91	8204	1.991	ug/l	97
83) tert-Butylbenzene	10.91	119	7898	2.022	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	7972	1.927	ug/l	93
85) sec-Butylbenzene	11.13	105	9821	1.920	ug/l	100
86) p-Isopropyltoluene	11.29	119	8920	1.992	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	4970	2.288	ug/l	97
88) 1,4-Dichlorobenzene	11.32	146	5135	2.339	ug/l	89
89) n-Butylbenzene	11.70	91	8709	2.003	ug/l	98
90) Hexachloroethane	11.95	117	1410	1.770	ug/l	95
91) 1,2-Dichlorobenzene	11.69	146	4322	2.254	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	289	2.088	ug/l	91
93) 1,2,4-Trichlorobenzene	13.31	180	2637	2.136	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.49	225	1931	2.524	ug/l	94
95) Naphthalene	13.56	128	4289	2.010	ug/l	96
96) 1,2,3-Trichlorobenzene	13.80	180	2190	2.095	ug/l	92

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

