

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009263.D
 Acq On : 24 Jan 2019 17:02
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:47 AM

Quant Time: Jan 24 23:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	81123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	141572	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	130475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	50012	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
35) Dibromofluoromethane	4.64	113	45314	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
50) Toluene-d8	7.36	98	172445	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	10.12	95	63668	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.14	85	1478	2.180	ug/l	90
3) Chloromethane	1.25	50	2252	2.443	ug/l	99
4) Vinyl Chloride	1.32	62	1991	2.132	ug/l #	79
5) Bromomethane	1.53	94	1493	2.826	ug/l	94
6) Chloroethane	1.59	64	1178	2.406	ug/l	91
7) Trichlorofluoromethane	1.76	101	849	1.925	ug/l	92
8) Diethyl Ether	1.96	74	1013	2.307	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	2.13	101	2017	2.569	ug/l	89
10) Methyl Iodide	2.25	142	3090	2.389	ug/l #	89
11) Tert butyl alcohol	2.65	59	4982	48.560	ug/l #	76
12) 1,1-Dichloroethene	2.14	96	1858	2.277	ug/l #	86
13) Acrolein	2.06	56	548	11.608	ug/l	98
14) Allyl chloride	2.42	41	3028	2.485	ug/l	94
15) Acrylonitrile	2.76	53	2311	11.236	ug/l	96
16) Acetone	2.18	43	3555	15.241	ug/l	98
17) Carbon Disulfide	2.31	76	5239	2.287	ug/l	99
18) Methyl Acetate	2.45	43	2686	3.965	ug/l #	85
19) Methyl tert-butyl Ether	2.80	73	3322	2.601	ug/l #	90
20) Methylene Chloride	2.53	84	4011	4.371	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	1996	2.362	ug/l	90
22) Diisopropyl ether	3.33	45	7077	2.430	ug/l #	85
23) Vinyl Acetate	3.30	43	19256	10.723	ug/l	98
24) 1,1-Dichloroethane	3.21	63	3536	1.966	ug/l #	93
25) 2-Butanone	4.03	43	3866	10.904	ug/l #	90
26) 2,2-Dichloropropane	3.95	77	2008	2.201	ug/l	87
27) cis-1,2-Dichloroethene	3.96	96	2581	2.409	ug/l	92
28) Bromochloromethane	4.29	49	1864	2.583	ug/l #	92
29) Tetrahydrofuran	4.40	42	2122	10.501	ug/l	91
30) Chloroform	4.42	83	4647	2.571	ug/l #	84
31) Cyclohexane	4.72	56	5265	3.175	ug/l #	56
32) 1,1,1-Trichloroethane	4.65	97	3455	2.458	ug/l	96
36) 1,1-Dichloropropene	4.87	75	4064	2.867	ug/l	89
37) Ethyl Acetate	4.14	43	1949	5.522	ug/l #	70
38) Carbon Tetrachloride	4.87	117	2898	2.067	ug/l	83

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

39) Methylcyclohexane	6.17	83	3982	2.241	ug/l	96
40) Benzene	5.14	78	9600	2.299	ug/l	95
41) Methacrylonitrile	4.31	41	843	2.041	ug/l #	75
42) 1,2-Dichloroethane	5.17	62	3006	2.315	ug/l	92
43) Isopropyl Acetate	5.33	43	2805	2.043	ug/l #	90
44) Trichloroethene	5.96	130	2616	2.347	ug/l	89
45) 1,2-Dichloropropane	6.22	63	2167	2.108	ug/l	92
46) Dibromomethane	6.35	93	1261	2.189	ug/l	96
47) Bromodichloromethane	6.55	83	2853	2.106	ug/l	95
48) Methyl methacrylate	6.42	41	1252	1.838	ug/l	96
49) 1,4-Dioxane	6.43	88	300m	33.194	ug/l	
51) 4-Methyl-2-Pentanone	7.28	43	7454	10.314	ug/l	97
52) Toluene	7.43	92	5756	2.183	ug/l	94
53) t-1,3-Dichloropropene	7.69	75	2730	1.993	ug/l	96
54) cis-1,3-Dichloropropene	7.07	75	3167	2.038	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	1873	2.332	ug/l	96
56) Ethyl methacrylate	7.83	69	1851	1.908	ug/l	97
57) 1,3-Dichloropropane	8.06	76	3010	2.104	ug/l	96
59) 2-Hexanone	8.19	43	4693	9.033	ug/l	95
60) Dibromochloromethane	8.29	129	1766	1.924	ug/l	96
61) 1,2-Dibromoethane	8.40	107	1651	2.046	ug/l	99
64) Tetrachloroethene	8.02	164	2108	2.343	ug/l	97
65) Chlorobenzene	8.93	112	7001	2.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	2161	2.200	ug/l	93
67) Ethyl Benzene	9.05	91	11324	2.268	ug/l	99
68) m/p-Xylenes	9.18	106	8114	4.237	ug/l	98
69) o-Xylene	9.59	106	4007	2.239	ug/l	93
70) Styrene	9.60	104	6103	2.094	ug/l	96
71) Bromoform	9.78	173	993	1.875	ug/l #	92
73) Isopropylbenzene	9.97	105	10397	2.169	ug/l	97
74) N-amyl acetate	9.84	43	2015	1.797	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	10.29	83	2180	2.212	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	1720	2.258	ug/l #	73
77) Bromobenzene	10.26	156	2905	2.598	ug/l	95
78) n-propylbenzene	10.40	91	13121	2.314	ug/l	99
79) 2-Chlorotoluene	10.47	91	8032	2.350	ug/l	98
80) 1,3,5-Trimethylbenzene	10.59	105	8888	2.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	398m	1.484	ug/l	
82) 4-Chlorotoluene	10.59	91	9557	2.359	ug/l	99
83) tert-Butylbenzene	10.91	119	8528	2.191	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	8991	2.172	ug/l	99
85) sec-Butylbenzene	11.13	105	11436	2.254	ug/l	100
86) p-Isopropyltoluene	11.29	119	9943	2.221	ug/l	98
87) 1,3-Dichlorobenzene	11.23	146	5542	2.447	ug/l	97
88) 1,4-Dichlorobenzene	11.32	146	5799m	2.508	ug/l	
89) n-Butylbenzene	11.70	91	10086	2.327	ug/l	99
90) Hexachloroethane	11.95	117	1644	2.076	ug/l	94
91) 1,2-Dichlorobenzene	11.69	146	5163	2.541	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.47	75	298	1.811	ug/l	87
93) 1,2,4-Trichlorobenzene	13.31	180	3720	2.612	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2273	2.792	ug/l	97
95) Naphthalene	13.56	128	6047	2.120	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	3311	2.636	ug/l	96

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

