

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012319\
 Data File : VV009246.D
 Acq On : 23 Jan 2019 14:11
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:10:13 PM

Quant Time: Jan 24 04:14:36 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	89325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	155840	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	139902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	68020	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	53113	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	4.63	113	48068	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	7.36	98	184917	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	10.12	95	65412	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	1692	2.342	ug/l	86
3) Chloromethane	1.25	50	2239	2.302	ug/l	94
4) Vinyl Chloride	1.32	62	2268	2.052	ug/l	91
5) Bromomethane	1.53	94	1634	2.607	ug/l	98
6) Chloroethane	1.60	64	1368	2.215	ug/l	97
7) Trichlorofluoromethane	1.76	101	1342	1.730	ug/l	98
8) Diethyl Ether	1.96	74	1126	2.309	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	2.14	101	2227	2.311	ug/l	89
10) Methyl Iodide	2.25	142	3532	2.296	ug/l #	96
11) Tert butyl alcohol	2.65	59	2526	18.577	ug/l #	72
12) 1,1-Dichloroethene	2.14	96	2280	2.410	ug/l	84
13) Acrolein	2.06	56	870	Below Cal		92
14) Allyl chloride	2.42	41	3629	2.226	ug/l	97
15) Acrylonitrile	2.76	53	2665	12.614	ug/l	95
16) Acetone	2.18	43	3894	13.175	ug/l	90
17) Carbon Disulfide	2.31	76	6196	2.141	ug/l #	93
18) Methyl Acetate	2.44	43	2545	3.224	ug/l #	87
19) Methyl tert-butyl Ether	2.80	73	3546	2.415	ug/l	91
20) Methylene Chloride	2.52	84	6435	2.690	ug/l	94
21) trans-1,2-Dichloroethene	2.78	96	2092	2.052	ug/l	98
22) Diisopropyl ether	3.32	45	7697	2.217	ug/l	93
23) Vinyl Acetate	3.30	43	19701	10.457	ug/l	95
24) 1,1-Dichloroethane	3.22	63	4714	2.182	ug/l	96
25) 2-Butanone	4.02	43	3601	10.655	ug/l	94
26) 2,2-Dichloropropane	3.94	77	2251	1.852	ug/l	95
27) cis-1,2-Dichloroethene	3.95	96	2740	2.224	ug/l	90
28) Bromochloromethane	4.29	49	1597	2.003	ug/l #	98
29) Tetrahydrofuran	4.39	42	2188	11.903	ug/l	93
30) Chloroform	4.42	83	4834	2.228	ug/l	92
31) Cyclohexane	4.72	56	5889	2.986	ug/l #	77
32) 1,1,1-Trichloroethane	4.65	97	3859	2.110	ug/l	96
36) 1,1-Dichloropropene	4.87	75	3986	2.304	ug/l	92
37) Ethyl Acetate	4.13	43	1415	2.128	ug/l #	67
38) Carbon Tetrachloride	4.86	117	3227	1.863	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	4304	2.101	ug/l	93
40) Benzene	5.14	78	10485	2.167	ug/l	98
41) Methacrylonitrile	4.30	41	853	2.128	ug/l #	78
42) 1,2-Dichloroethane	5.17	62	3195	2.110	ug/l	81
43) Isopropyl Acetate	5.32	43	2949	2.255	ug/l #	88
44) Trichloroethene	5.96	130	2639	2.072	ug/l	94
45) 1,2-Dichloropropane	6.22	63	2437	2.094	ug/l	96
46) Dibromomethane	6.35	93	1206	2.019	ug/l	92
47) Bromodichloromethane	6.55	83	3135	1.986	ug/l	94
48) Methyl methacrylate	6.42	41	1342	2.011	ug/l	89
49) 1,4-Dioxane	6.41	88	232	30.492	ug/l #	19
51) 4-Methyl-2-Pentanone	7.27	43	7237	10.902	ug/l	99
52) Toluene	7.43	92	6656	2.174	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	2989	1.946	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	3211	1.815	ug/l	92
55) 1,1,2-Trichloroethane	7.88	97	1762	2.094	ug/l	94
56) Ethyl methacrylate	7.83	69	1963	2.002	ug/l	97
57) 1,3-Dichloropropane	8.06	76	3240	2.126	ug/l	95
59) 2-Hexanone	8.19	43	4881	10.166	ug/l	88
60) Dibromochloromethane	8.29	129	1897	1.925	ug/l	94
61) 1,2-Dibromoethane	8.40	107	1578	1.917	ug/l	99
64) Tetrachloroethene	8.02	164	2247	2.257	ug/l	91
65) Chlorobenzene	8.92	112	7154	2.198	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	2433	2.187	ug/l	93
67) Ethyl Benzene	9.05	91	12067	2.081	ug/l	100
68) m/p-Xylenes	9.18	106	9118	4.142	ug/l	95
69) o-Xylene	9.59	106	3957	1.939	ug/l	93
70) Stvrene	9.60	104	6306	1.936	ug/l	95
71) Bromoform	9.77	173	906	1.727	ug/l #	91
73) Isopropylbenzene	9.97	105	11262	2.005	ug/l	98
74) N-amyl acetate	9.84	43	2015	1.940	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	10.29	83	2141	2.261	ug/l	91
76) 1,2,3-Trichloropropane	10.32	75	1845m	2.477	ug/l	
77) Bromobenzene	10.26	156	2692	2.241	ug/l	94
78) n-propylbenzene	10.40	91	14468	2.173	ug/l	98
79) 2-Chlorotoluene	10.47	91	8925	2.221	ug/l	93
80) 1,3,5-Trimethylbenzene	10.58	105	9475	2.011	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.04	75	394m	1.497	ug/l	
82) 4-Chlorotoluene	10.58	91	9969	2.107	ug/l	97
83) tert-Butylbenzene	10.91	119	9294	2.072	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	9432	1.985	ug/l	99
85) sec-Butylbenzene	11.13	105	11919	2.029	ug/l	100
86) p-Isopropyltoluene	11.29	119	10266	1.996	ug/l	96
87) 1,3-Dichlorobenzene	11.23	146	5551	2.225	ug/l	96
88) 1,4-Dichlorobenzene	11.32	146	6267	2.485	ug/l	87
89) n-Butylbenzene	11.70	91	10248	2.052	ug/l	99
90) Hexachloroethane	11.95	117	1871	2.045	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	4994	2.268	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	260	1.635	ug/l	94
93) 1,2,4-Trichlorobenzene	13.31	180	3118	2.200	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2119	2.412	ug/l	96
95) Naphthalene	13.56	128	5032	2.053	ug/l	96
96) 1,2,3-Trichlorobenzene	13.80	180	2750	2.291	ug/l	98

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

