

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062140.D
 Acq On : 7 May 2019 13:34
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:34 AM

Quant Time: May 08 04:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	888556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1257932	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1038983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	526095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	621564	73.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	146.94%	
35) Dibromofluoromethane	6.90	113	821427	72.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	144.38%	
50) Toluene-d8	10.39	98	1925785	68.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.92%	
62) 4-Bromofluorobenzene	13.55	95	789847	70.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.56	85	615936	71.646	ug/l	98
3) Chloromethane	1.73	50	445402	75.855	ug/l	96
4) Vinyl Chloride	1.84	62	451017	71.622	ug/l	99
5) Bromomethane	2.13	94	105958	70.245	ug/l	99
6) Chloroethane	2.24	64	205338	74.297	ug/l	99
7) Trichlorofluoromethane	2.51	101	860393	72.106	ug/l	98
8) Diethyl Ether	2.85	74	169236	73.646	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	620701	67.109	ug/l	96
10) Methyl Iodide	3.29	142	1007239	73.872	ug/l	95
11) Tert butyl alcohol	4.04	59	161239	394.531	ug/l	97
12) 1,1-Dichloroethene	3.11	96	492247	66.794	ug/l	95
13) Acrolein	3.01	56	145522	347.930	ug/l	99
14) Allyl chloride	3.60	41	716663	69.650	ug/l	88
15) Acrylonitrile	4.17	53	425072	390.095	ug/l	89
16) Acetone	3.20	43	616016	346.690	ug/l	92
17) Carbon Disulfide	3.35	76	1519541	75.270	ug/l	100
18) Methyl Acetate	3.62	43	218758	72.632	ug/l	92
19) Methyl tert-butyl Ether	4.21	73	1127172	76.789	ug/l	97
20) Methylene Chloride	3.80	84	516302	73.483	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	604690	75.475	ug/l	96
22) Diisopropyl ether	5.09	45	1570441	74.712	ug/l	97
23) Vinyl Acetate	5.03	43	4366870	379.803	ug/l	99
24) 1,1-Dichloroethane	4.96	63	962562	77.966	ug/l	99
25) 2-Butanone	6.04	43	723585	398.442	ug/l	98
26) 2,2-Dichloropropane	6.00	77	947782	77.506	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	662458	80.182	ug/l	97
28) Bromochloromethane	6.42	49	379772	77.314	ug/l	92
29) Tetrahydrofuran	6.43	42	321319	396.281	ug/l	96
30) Chloroform	6.64	83	1163430	76.272	ug/l	98
31) Cyclohexane	6.93	56	688112	77.158	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	1137371	77.038	ug/l	99
36) 1,1-Dichloropropene	7.12	75	764956	72.946	ug/l	100
37) Ethyl Acetate	6.16	43	324857	71.455	ug/l #	93
38) Carbon Tetrachloride	7.09	117	1024563m	68.911	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	780360	74.026	ug/l	93
40) Benzene	7.43	78	1709096	71.868	ug/l	97
41) Methacrylonitrile	6.42	41	394433	73.848	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	750521	73.989	ug/l	97
43) Isopropyl Acetate	9.22	43	471516	74.536	ug/l #	98
44) Trichloroethene	8.52	130	679466	72.676	ug/l	95
45) 1,2-Dichloropropane	8.91	63	435967	74.056	ug/l	100
46) Dibromomethane	9.04	93	358505	74.210	ug/l	90
47) Bromodichloromethane	9.36	83	899010	76.222	ug/l	98
48) Methyl methacrylate	9.10	41	284192	74.564	ug/l	92
49) 1,4-Dioxane	9.06	88	61856	1491.047	ug/l	97
51) 4-Methyl-2-Pentanone	10.28	43	1475917	374.437	ug/l	97
52) Toluene	10.49	92	1133522	72.423	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	776950	75.162	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	811162	69.936	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	397719	69.252	ug/l	95
56) Ethyl methacrylate	11.02	69	431222	72.071	ug/l #	87
57) 1,3-Dichloropropane	11.39	76	609257	68.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	1152643	360.818	ug/l	99
59) 2-Hexanone	11.52	43	1112924	375.690	ug/l	96
60) Dibromochloromethane	11.67	129	691894	71.373	ug/l	100
61) 1,2-Dibromoethane	11.79	107	470060	71.215	ug/l	96
64) Tetrachloroethene	11.24	164	590006	69.800	ug/l	96
65) Chlorobenzene	12.39	112	1364265	71.535	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	598334	66.314	ug/l	95
67) Ethyl Benzene	12.52	91	2165325	63.139	ug/l	100
68) m/p-Xylenes	12.65	106	1688988	130.923	ug/l	100
69) o-Xylene	13.04	106	806778	69.672	ug/l	96
70) Styrene	13.06	104	1352363	71.437	ug/l	97
71) Bromoform	13.22	173	440776	70.424	ug/l #	98
73) Isopropylbenzene	13.39	105	2164754	68.978	ug/l	98
74) N-amyl acetate	13.25	43	646572	79.744	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	463554	82.400	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	465037	80.084	ug/l	99
77) Bromobenzene	13.66	156	702674	85.993	ug/l	92
78) n-propylbenzene	13.77	91	2784813	78.378	ug/l	100
79) 2-Chlorotoluene	13.84	91	1663797	79.298	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	2001394	77.742	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	140154	77.433	ug/l #	85
82) 4-Chlorotoluene	13.93	91	1826258	73.727	ug/l	85
83) tert-Butylbenzene	14.18	119	2090780	70.032	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1852877	71.445	ug/l	95
85) sec-Butylbenzene	14.36	105	2413872	75.536	ug/l	98
86) p-Isopropyltoluene	14.48	119	2009621	65.929	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1216805	77.375	ug/l	100
88) 1,4-Dichlorobenzene	14.52	146	1138607	76.359	ug/l	99
89) n-Butylbenzene	14.79	91	1786875	72.398	ug/l	97
90) Hexachloroethane	15.00	117	604373	76.079	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	914279	74.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	77081	81.164	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	742495	83.058	ug/l	95
94) Hexachlorobutadiene	16.03	225	544207	78.562	ug/l	99
95) Naphthalene	16.12	128	1060814	79.277	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	462731	78.432	ug/l	94

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

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