

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060910.D
 Acq On : 1 Mar 2019 15:40
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:03 AM

Quant Time: Mar 02 01:25:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	659465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1142492	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	920585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	411030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	57793	11.79	ug/l	0.00
Spiked Amount			Recovery	=	23.58%	
35) Dibromofluoromethane	6.91	113	95142	11.14	ug/l	0.00
Spiked Amount			Recovery	=	22.28%	
50) Toluene-d8	10.40	98	257821	11.15	ug/l	0.00
Spiked Amount			Recovery	=	22.30%	
62) 4-Bromofluorobenzene	13.55	95	96419	10.73	ug/l	0.00
Spiked Amount			Recovery	=	21.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	81342	11.311	ug/l	95
3) Chloromethane	1.76	50	67945	15.369	ug/l	100
4) Vinyl Chloride	1.84	62	58507	14.240	ug/l	99
5) Bromomethane	2.15	94	12646	16.450	ug/l #	80
6) Chloroethane	2.27	64	17243	15.466	ug/l	94
7) Trichlorofluoromethane	2.52	101	74692	11.215	ug/l	99
8) Diethyl Ether	2.87	74	29357	25.632	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	101605	24.808	ug/l	88
10) Methyl Iodide	3.30	142	78005	6.671	ug/l	96
11) Tert butyl alcohol	4.06	59	22017	59.155	ug/l	99
12) 1,1-Dichloroethene	3.12	96	86883	28.396	ug/l	93
13) Acrolein	3.03	56	34159	165.534	ug/l	99
14) Allyl chloride	3.61	41	135065	13.521	ug/l #	90
15) Acrylonitrile	4.19	53	87340	75.150	ug/l	95
16) Acetone	3.21	43	103598	69.665	ug/l #	89
17) Carbon Disulfide	3.37	76	293391	12.978	ug/l	99
18) Methyl Acetate	3.63	43	39721	12.874	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	147821	11.525	ug/l	93
20) Methylene Chloride	3.81	84	116007	13.886	ug/l #	83
21) trans-1,2-Dichloroethene	4.21	96	91627	13.513	ug/l	97
22) Diisopropyl ether	5.10	45	296392	15.126	ug/l	97
23) Vinyl Acetate	5.04	43	784413	70.742	ug/l	98
24) 1,1-Dichloroethane	4.97	63	149951	14.008	ug/l	99
25) 2-Butanone	6.06	43	124375	63.369	ug/l	98
26) 2,2-Dichloropropane	6.01	77	110793	10.903	ug/l	91
27) cis-1,2-Dichloroethene	6.03	96	101049	13.571	ug/l	98
28) Bromochloromethane	6.42	49	57574	13.672	ug/l	95
29) Tetrahydrofuran	6.44	42	63260	64.680	ug/l	94
30) Chloroform	6.66	83	141813	11.199	ug/l	98
31) Cyclohexane	6.94	56	133689	15.058	ug/l	86
32) 1,1,1-Trichloroethane	6.85	97	129756	13.162	ug/l	97
36) 1,1-Dichloropropene	7.13	75	118387	9.904	ug/l	93
37) Ethyl Acetate	6.17	43	60367	10.742	ug/l	98
38) Carbon Tetrachloride	7.10	117	123845	11.166	ug/l	99

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

39) Methylcyclohexane	8.85	83	124387	9.789	ug/l #	82
40) Benzene	7.45	78	297558	10.017	ug/l	99
41) Methacrylonitrile	6.43	41	35398m	11.660	ug/l	
42) 1,2-Dichloroethane	7.56	62	83236	10.302	ug/l	99
43) Isopropyl Acetate	9.23	43	80213	10.077	ug/l #	94
44) Trichloroethene	8.53	130	98698	10.189	ug/l	95
45) 1,2-Dichloropropane	8.93	63	78151	11.262	ug/l	96
46) Dibromomethane	9.05	93	48907	9.809	ug/l	92
47) Bromodichloromethane	9.37	83	106673	9.021	ug/l	97
48) Methyl methacrylate	9.11	41	48566	10.597	ug/l	92
49) 1,4-Dioxane	9.07	88	9168	190.967	ug/l #	95
51) 4-Methyl-2-Pentanone	10.29	43	258545	52.653	ug/l	93
52) Toluene	10.50	92	195732	11.376	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	102282	9.370	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	123343	9.808	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	62492	10.589	ug/l	94
56) Ethyl methacrylate	11.03	69	65789	9.796	ug/l	95
57) 1,3-Dichloropropane	11.40	76	87399	8.992	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	173015	53.768	ug/l	99
59) 2-Hexanone	11.52	43	187309	49.686	ug/l	98
60) Dibromochloromethane	11.67	129	88383	10.422	ug/l	99
61) 1,2-Dibromoethane	11.80	107	70813	10.599	ug/l	97
64) Tetrachloroethene	11.25	164	80611	9.800	ug/l #	90
65) Chlorobenzene	12.39	112	226109	12.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	82859	11.159	ug/l	96
67) Ethyl Benzene	12.52	91	350908	11.049	ug/l	94
68) m/p-Xylenes	12.66	106	287382	25.603	ug/l	85
69) o-Xylene	13.04	106	131377	12.153	ug/l	83
70) Styrene	13.07	104	210472	11.584	ug/l	95
71) Bromoform	13.22	173	50140	8.492	ug/l	97
73) Isopropylbenzene	13.39	105	375649	15.619	ug/l	98
74) N-amyl acetate	13.25	43	104631	12.587	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	74843	12.635	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	74891	12.245	ug/l	98
77) Bromobenzene	13.67	156	93289	12.052	ug/l	87
78) n-propylbenzene	13.77	91	438882	13.676	ug/l	97
79) 2-Chlorotoluene	13.83	91	246316	13.420	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	296004	14.975	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	21167	10.862	ug/l	97
82) 4-Chlorotoluene	13.94	91	274295	13.621	ug/l	93
83) tert-Butylbenzene	14.18	119	325888	14.277	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	296004	14.975	ug/l	98
85) sec-Butylbenzene	14.37	105	369261	14.491	ug/l	95
86) p-Isopropyltoluene	14.48	119	309716	14.473	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	155893	11.012	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	158947	11.625	ug/l	98
89) n-Butylbenzene	14.79	91	300310	13.546	ug/l	95
90) Hexachloroethane	15.01	117	81710	13.456	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	143848	12.204	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	15.38	75	8224	9.914	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	77989	9.349	ug/l	98
94) Hexachlorobutadiene	16.03	225	46497	9.290	ug/l	94
95) Naphthalene	16.12	128	128869	10.247	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48573	7.572	ug/l	95

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

