

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066537.D
 Acq On : 03 Sep 2020 15:02
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:51 PM

Quant Time: Sep 04 01:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	346081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	589454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	534689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	43195	11.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.38%	
35) Dibromofluoromethane	7.91	113	38802	11.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.02%	
50) Toluene-d8	10.34	98	127964	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	
62) 4-Bromofluorobenzene	12.63	95	43323	9.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38063	12.841	ug/l	99
3) Chloromethane	2.21	50	50150	23.395	ug/l	99
4) Vinyl Chloride	2.35	62	56034	21.889	ug/l	99
5) Bromomethane	2.77	94	41347	20.532	ug/l	99
6) Chloroethane	2.92	64	35075	20.689	ug/l	90
7) Trichlorofluoromethane	3.27	101	80589	12.194	ug/l	91
8) Diethyl Ether	3.70	74	18975	14.316	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42871	14.766	ug/l	99
10) Methyl Iodide	4.30	142	26449	8.682	ug/l	96
11) Tert butyl alcohol	5.19	59	23476	86.373	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	37569	13.969	ug/l	98
13) Acrolein	3.91	56	9713	77.518	ug/l	97
14) Allyl chloride	4.71	41	59220	17.935	ug/l	98
15) Acrylonitrile	5.43	53	40416	81.634	ug/l	97
16) Acetone	4.15	43	44366	76.866	ug/l	91
17) Carbon Disulfide	4.41	76	128148	15.983	ug/l	100
18) Methyl Acetate	4.71	43	18083	17.782	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	84057	12.136	ug/l #	90
20) Methylene Chloride	4.97	84	63797	18.584	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	44587	14.261	ug/l	99
22) Diisopropyl ether	6.36	45	123923	18.383	ug/l	96
23) Vinyl Acetate	6.31	43	339585	80.509	ug/l	98
24) 1,1-Dichloroethane	6.27	63	79874	16.103	ug/l	98
25) 2-Butanone	7.21	43	55806	87.495	ug/l	97
26) 2,2-Dichloropropane	7.21	77	73632	12.611	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46067	13.643	ug/l	96
28) Bromochloromethane	7.54	49	27197	17.543	ug/l #	95
29) Tetrahydrofuran	7.56	42	33804	97.253	ug/l	98
30) Chloroform	7.71	83	85368	14.009	ug/l	98
31) Cyclohexane	7.97	56	74639	16.957	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	80489	12.298	ug/l	97
36) 1,1-Dichloropropene	8.11	75	64260	12.160	ug/l	97
37) Ethyl Acetate	7.28	43	25604	15.073	ug/l	98
38) Carbon Tetrachloride	8.09	117	69246	9.164	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68466	11.044	ug/l	100
40) Benzene	8.34	78	176647	12.845	ug/l	100
41) Methacrylonitrile	7.52	41	10786m	11.937	ug/l	
42) 1,2-Dichloroethane	8.42	62	58587	10.567	ug/l	100
43) Isopropyl Acetate	8.44	43	48384	13.965	ug/l	97
44) Trichloroethene	9.11	130	45911	10.151	ug/l	90
45) 1,2-Dichloropropane	9.38	63	45454	15.795	ug/l	100
46) Dibromomethane	9.47	93	24800	12.548	ug/l	97
47) Bromodichloromethane	9.66	83	68231	11.794	ug/l #	98
48) Methyl methacrylate	9.46	41	22072	12.484	ug/l #	86
49) 1,4-Dioxane	9.46	88	5200	227.358	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	121386	74.691	ug/l	98
52) Toluene	10.40	92	109295	11.391	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	54074	10.296	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	69765	12.306	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32196	12.868	ug/l	96
56) Ethyl methacrylate	10.66	69	33778	11.317	ug/l	97
57) 1,3-Dichloropropane	10.94	76	55952	13.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	81902	68.135	ug/l	96
59) 2-Hexanone	10.98	43	80485	69.033	ug/l	97
60) Dibromochloromethane	11.14	129	42477	10.653	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30188	11.819	ug/l	99
64) Tetrachloroethene	10.87	164	36394	8.991	ug/l	97
65) Chlorobenzene	11.67	112	114033	10.856	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	43524	9.948	ug/l	99
67) Ethyl Benzene	11.74	91	203483	10.880	ug/l	98
68) m/p-Xylenes	11.85	106	155126	21.474	ug/l	98
69) o-Xylene	12.18	106	65983	9.704	ug/l	100
70) Styrene	12.20	104	115054	9.875	ug/l	98
71) Bromoform	12.36	173	22511	9.558	ug/l #	98
73) Isopropylbenzene	12.48	105	181655	10.848	ug/l	98
74) N-amyl acetate	12.29	43	42076	15.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	35459	16.453	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	23513m	13.763	ug/l	
77) Bromobenzene	12.76	156	41670	10.052	ug/l	97
78) n-propylbenzene	12.82	91	227533	12.177	ug/l	98
79) 2-Chlorotoluene	12.91	91	127784	11.954	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	155734	10.723	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10969	14.845	ug/l	99
82) 4-Chlorotoluene	13.01	91	136611	11.902	ug/l	96
83) tert-Butylbenzene	13.23	119	128481	10.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	155108	10.734	ug/l	98
85) sec-Butylbenzene	13.40	105	180479	11.053	ug/l	100
86) p-Isopropyltoluene	13.52	119	157901	9.846	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	84032	10.816	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	85354	10.909	ug/l	96
89) n-Butylbenzene	13.85	91	156657	11.380	ug/l	98
90) Hexachloroethane	14.11	117	38072	12.850	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	74309	11.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5809	11.290	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	41792	8.175	ug/l	97
94) Hexachlorobutadiene	15.27	225	26741	8.149	ug/l	99
95) Naphthalene	15.41	128	70615	8.659	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	36527	8.244	ug/l	99

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

