

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067244.D
 Acq On : 13 Oct 2020 10:55
 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
 10/14/2020 2:10:07 PM

Quant Time: Oct 13 12:35:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	327941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	492357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236651	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	36049	10.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.40%	
35) Dibromofluoromethane	7.91	113	34892	10.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.28%	
50) Toluene-d8	10.34	98	127658	10.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.36%	
62) 4-Bromofluorobenzene	12.64	95	45176	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	35797	11.122	ug/l	98
3) Chloromethane	2.21	50	22009	10.196	ug/l	97
4) Vinyl Chloride	2.35	62	25340	10.620	ug/l	99
5) Bromomethane	2.77	94	19941	10.664	ug/l	87
6) Chloroethane	2.92	64	15819	10.593	ug/l	91
7) Trichlorofluoromethane	3.27	101	64108	10.692	ug/l	98
8) Diethyl Ether	3.71	74	13963	10.451	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	33809	10.617	ug/l	100
10) Methyl Iodide	4.30	142	25093	9.537	ug/l	96
11) Tert butyl alcohol	5.20	59	14903m	52.814	ug/l	
12) 1,1-Dichloroethene	4.06	96	29534	10.546	ug/l	92
13) Acrolein	3.93	56	6535	43.101	ug/l	94
14) Allyl chloride	4.71	41	30844	9.872	ug/l	98
15) Acrylonitrile	5.42	53	23703	53.782	ug/l #	89
16) Acetone	4.16	43	25126	53.014	ug/l #	86
17) Carbon Disulfide	4.41	76	82619	10.331	ug/l	99
18) Methyl Acetate	4.72	43	10571	9.713	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	55204	10.229	ug/l	94
20) Methylene Chloride	4.96	84	42207	11.064	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	34128	10.653	ug/l	90
22) Diisopropyl ether	6.36	45	59282	10.291	ug/l #	88
23) Vinyl Acetate	6.31	43	159450	51.011	ug/l	97
24) 1,1-Dichloroethane	6.27	63	53542	10.668	ug/l	98
25) 2-Butanone	7.21	43	27475	51.600	ug/l	93
26) 2,2-Dichloropropane	7.21	77	55953	10.679	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	36682	10.430	ug/l	96
28) Bromochloromethane	7.55	49	16099	9.615	ug/l #	99
29) Tetrahydrofuran	7.57	42	15572	53.066	ug/l	98
30) Chloroform	7.71	83	63853	10.608	ug/l	96
31) Cyclohexane	7.99	56	40916	10.151	ug/l #	83
32) 1,1,1-Trichloroethane	7.90	97	60931	10.314	ug/l	95
36) 1,1-Dichloropropene	8.11	75	45684	10.606	ug/l	100
37) Ethyl Acetate	7.30	43	13039	10.442	ug/l	96
38) Carbon Tetrachloride	8.10	117	57097	10.340	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	47328	10.717	ug/l	98
40) Benzene	8.36	78	124833	10.518	ug/l	99
41) Methacrylonitrile	7.52	41	6703	12.581	ug/l	89
42) 1,2-Dichloroethane	8.43	62	37547	10.126	ug/l	97
43) Isopropyl Acetate	8.46	43	25770	10.532	ug/l #	96
44) Trichloroethene	9.11	130	39834	10.504	ug/l	95
45) 1,2-Dichloropropane	9.39	63	28090	10.307	ug/l	99
46) Dibromomethane	9.48	93	17610	10.263	ug/l	99
47) Bromodichloromethane	9.66	83	48786	10.736	ug/l	93
48) Methyl methacrylate	9.46	41	13289	11.148	ug/l	92
49) 1,4-Dioxane	9.46	88	3491	191.805	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	65938	53.105	ug/l	94
52) Toluene	10.40	92	84497	10.517	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	42342	10.712	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	47479	10.253	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	25556	10.847	ug/l	91
56) Ethyl methacrylate	10.66	69	23504	10.210	ug/l	95
57) 1,3-Dichloropropane	10.95	76	38460	10.427	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	57996	48.911	ug/l	99
59) 2-Hexanone	10.98	43	43096	51.543	ug/l	100
60) Dibromochloromethane	11.14	129	34717	10.202	ug/l	96
61) 1,2-Dibromoethane	11.25	107	23977	10.453	ug/l	99
64) Tetrachloroethene	10.88	164	37029	10.573	ug/l	89
65) Chlorobenzene	11.67	112	95468	10.444	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	37762	10.403	ug/l	96
67) Ethyl Benzene	11.75	91	160223	10.418	ug/l	97
68) m/p-Xylenes	11.86	106	126350	21.145	ug/l	97
69) o-Xylene	12.18	106	58266	10.546	ug/l	90
70) Styrene	12.20	104	97972	10.320	ug/l	99
71) Bromoform	12.37	173	20946	10.790	ug/l #	96
73) Isopropylbenzene	12.48	105	156116	10.316	ug/l	99
74) N-amyl acetate	12.30	43	23484	10.419	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	24783	10.476	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	16208m	9.576	ug/l	
77) Bromobenzene	12.77	156	39364	10.219	ug/l	97
78) n-propylbenzene	12.83	91	180572	10.146	ug/l	99
79) 2-Chlorotoluene	12.91	91	107016	10.315	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	134807	10.124	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	7875	10.806	ug/l	95
82) 4-Chlorotoluene	13.01	91	115441	10.426	ug/l	100
83) tert-Butylbenzene	13.23	119	113121	10.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	135192	10.318	ug/l	98
85) sec-Butylbenzene	13.41	105	158646	10.290	ug/l	100
86) p-Isopropyltoluene	13.52	119	150382	10.320	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	79379	10.525	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	78105	10.560	ug/l	97
89) n-Butylbenzene	13.85	91	130640	10.275	ug/l	97
90) Hexachloroethane	14.12	117	26251	10.384	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	70268	10.770	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4830	11.334	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	43208	10.178	ug/l	98
94) Hexachlorobutadiene	15.28	225	27857	10.455	ug/l	95
95) Naphthalene	15.41	128	65884	9.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	36779	10.089	ug/l	97

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

