

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067501.D
 Acq On : 03 Nov 2020 10:16
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:06 AM

Quant Time: Nov 04 00:51:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	307621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	15525	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
35) Dibromofluoromethane	7.92	113	15734	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
50) Toluene-d8	10.34	98	53090	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
62) 4-Bromofluorobenzene	12.64	95	18319	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	15778	5.609	ug/l	100
3) Chloromethane	2.21	50	10386	5.422	ug/l	98
4) Vinyl Chloride	2.36	62	12022	5.629	ug/l	96
5) Bromomethane	2.78	94	10156	5.867	ug/l	88
6) Chloroethane	2.93	64	7099	5.391	ug/l	90
7) Trichlorofluoromethane	3.28	101	30475	5.511	ug/l	97
8) Diethyl Ether	3.71	74	5943	5.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	14882	5.331	ug/l #	70
10) Methyl Iodide	4.31	142	12181	4.072	ug/l	91
11) Tert butyl alcohol	5.23	59	4307m	31.624	ug/l	
12) 1,1-Dichloroethene	4.07	96	13151	5.122	ug/l	92
13) Acrolein	3.92	56	1962m	20.076	ug/l	
14) Allyl chloride	4.72	41	13687	4.981	ug/l	98
15) Acrylonitrile	5.42	53	10508	25.511	ug/l	97
16) Acetone	4.16	43	9585	23.813	ug/l	96
17) Carbon Disulfide	4.41	76	41634	5.292	ug/l	98
18) Methyl Acetate	4.71	43	5091	6.121	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	24039	4.747	ug/l	92
20) Methylene Chloride	4.96	84	16555	5.822	ug/l #	95
21) trans-1,2-Dichloroethene	5.48	96	16231	5.427	ug/l	91
22) Diisopropyl ether	6.36	45	25836	4.825	ug/l #	96
23) Vinyl Acetate	6.31	43	56997m	20.295	ug/l	
24) 1,1-Dichloroethane	6.27	63	22707	5.183	ug/l	95
25) 2-Butanone	7.22	43	10665	24.797	ug/l	98
26) 2,2-Dichloropropane	7.21	77	24662	5.334	ug/l	95
27) cis-1,2-Dichloroethene	7.22	96	15980	5.148	ug/l	98
28) Bromochloromethane	7.55	49	7626	4.894	ug/l	97
29) Tetrahydrofuran	7.56	42	5999	23.285	ug/l	91
30) Chloroform	7.71	83	27609	5.283	ug/l	96
31) Cyclohexane	7.99	56	23859	6.116	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	29040	5.385	ug/l	97
36) 1,1-Dichloropropene	8.12	75	20934	5.151	ug/l	97
37) Ethyl Acetate	7.30	43	4887	4.632	ug/l #	93
38) Carbon Tetrachloride	8.10	117	26942	5.103	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	22450	4.694	ug/l	93
40) Benzene	8.36	78	56340	5.118	ug/l	97
41) Methacrylonitrile	7.54	41	3229m	6.084	ug/l	
42) 1,2-Dichloroethane	8.43	62	17652	5.190	ug/l	97
43) Isopropyl Acetate	8.46	43	10482	5.024	ug/l	91
44) Trichloroethene	9.11	130	19929	5.506	ug/l	82
45) 1,2-Dichloropropane	9.40	63	12675	5.326	ug/l	89
46) Dibromomethane	9.48	93	8021	5.300	ug/l	93
47) Bromodichloromethane	9.67	83	21281	5.174	ug/l	86
48) Methyl methacrylate	9.46	41	5509	5.113	ug/l	91
49) 1,4-Dioxane	9.47	88	1401	91.196	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	23934	23.984	ug/l	97
52) Toluene	10.41	92	35889	4.867	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	16731	4.749	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	20838	4.979	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	9993	4.991	ug/l #	91
56) Ethyl methacrylate	10.67	69	9165	4.433	ug/l	98
57) 1,3-Dichloropropane	10.95	76	16152	5.013	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.95	63	24629	25.543	ug/l	98
59) 2-Hexanone	10.99	43	15126	21.678	ug/l	96
60) Dibromochloromethane	11.14	129	14381	4.855	ug/l	95
61) 1,2-Dibromoethane	11.25	107	10387	5.169	ug/l	98
64) Tetrachloroethene	10.88	164	16919	5.442	ug/l	84
65) Chlorobenzene	11.68	112	41847	5.175	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	16777	5.264	ug/l	98
67) Ethyl Benzene	11.75	91	66731	4.823	ug/l	96
68) m/p-Xylenes	11.86	106	52487	9.750	ug/l	99
69) o-Xylene	12.18	106	22542	4.690	ug/l	95
70) Styrene	12.20	104	39201	4.681	ug/l	99
71) Bromoform	12.36	173	7879	4.848	ug/l #	89
73) Isopropylbenzene	12.48	105	63135	4.556	ug/l	97
74) N-amyl acetate	12.29	43	8528	4.677	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	9869	5.222	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	5093m	3.766	ug/l	
77) Bromobenzene	12.77	156	16885	4.961	ug/l	98
78) n-propylbenzene	12.83	91	73916	4.663	ug/l	96
79) 2-Chlorotoluene	12.91	91	42532	4.723	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	53581	4.526	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	3141	4.930	ug/l	96
82) 4-Chlorotoluene	13.01	91	46398	4.804	ug/l	97
83) tert-Butylbenzene	13.23	119	45362	4.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	53720	4.559	ug/l	100
85) sec-Butylbenzene	13.41	105	62735	4.632	ug/l	99
86) p-Isopropyltoluene	13.52	119	60372	4.616	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	33335	5.133	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	35357	5.377	ug/l	94
89) n-Butylbenzene	13.85	91	52783	4.672	ug/l	96
90) Hexachloroethane	14.12	117	12067	4.899	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	29377	5.227	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1438	4.298	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	18304	4.798	ug/l	98
94) Hexachlorobutadiene	15.28	225	14552	5.700	ug/l	88
95) Naphthalene	15.41	128	24803	4.213	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.60	180	15855	4.853	ug/l	92

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

