

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064883.D
 Acq On : 20 Jan 2020 11:46
 Operator : VA/SY
 Sample : L1176-04MS
 Misc : 5.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:24 AM

Quant Time: Jan 21 04:37:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	357541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	141176	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	7.92	113	152030	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	595578	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.64	95	183614	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	111484	40.122	ug/l	99
3) Chloromethane	2.21	50	176315	45.371	ug/l	97
4) Vinyl Chloride	2.35	62	207421	43.777	ug/l	99
5) Bromomethane	2.77	94	136041	39.488	ug/l	95
6) Chloroethane	2.93	64	144420	45.489	ug/l	98
7) Trichlorofluoromethane	3.27	101	346871	43.478	ug/l	99
8) Diethyl Ether	3.71	74	66430	41.931	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161922	49.008	ug/l	97
10) Methyl Iodide	4.29	142	168806	47.564	ug/l	100
11) Tert butyl alcohol	5.25	59	31753	175.736	ug/l	99
12) 1,1-Dichloroethene	4.06	96	149494	47.525	ug/l	99
13) Acrolein	3.93	56	20754	82.418	ug/l	93
14) Allyl chloride	4.71	41	244458	49.845	ug/l	99
15) Acrylonitrile	5.44	53	126601	191.850	ug/l	100
16) Acetone	4.17	43	159040	238.431	ug/l	98
17) Carbon Disulfide	4.40	76	424511	41.737	ug/l	100
18) Methyl Acetate	4.73	43	73738	41.543	ug/l #	76
19) Methyl tert-butyl Ether	5.49	73	300599	43.024	ug/l	96
20) Methylene Chloride	4.96	84	170668	53.247	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	175263	48.924	ug/l	94
22) Diisopropyl ether	6.37	45	490754	50.168	ug/l	97
23) Vinyl Acetate	6.31	43	1129869	203.614	ug/l	99
24) 1,1-Dichloroethane	6.27	63	309782	52.751	ug/l	98
25) 2-Butanone	7.23	43	182896	211.046	ug/l	100
26) 2,2-Dichloropropane	7.21	77	293757	53.801	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	188413	48.734	ug/l	93
28) Bromochloromethane	7.55	49	109535	47.982	ug/l	99
29) Tetrahydrofuran	7.57	42	99584	184.782	ug/l	96
30) Chloroform	7.71	83	319684	51.886	ug/l	98
31) Cyclohexane	7.99	56	262954	44.732	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	302353	52.246	ug/l	99
36) 1,1-Dichloropropene	8.11	75	251072	51.154	ug/l	98
37) Ethyl Acetate	7.31	43	71360	37.009	ug/l	96
38) Carbon Tetrachloride	8.10	117	271418	51.861	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	276041	46.435	ug/l	95
40) Benzene	8.36	78	685345	51.150	ug/l	98
41) Methacrylonitrile	7.53	41	46414	41.488	ug/l	98
42) 1,2-Dichloroethane	8.43	62	181775	46.947	ug/l	98
43) Isopropyl Acetate	8.46	43	149031	38.832	ug/l	96
44) Trichloroethene	9.11	130	194685	49.461	ug/l	95
45) 1,2-Dichloropropane	9.39	63	164983	51.571	ug/l	97
46) Dibromomethane	9.48	93	77904	43.677	ug/l	100
47) Bromodichloromethane	9.67	83	238131	50.173	ug/l	96
48) Methyl methacrylate	9.46	41	69934	38.700	ug/l	95
49) 1,4-Dioxane	9.47	88	15194	738.778	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	366549	193.227	ug/l	99
52) Toluene	10.41	92	455963	51.869	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	202421	45.745	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	256609	49.181	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	107379	44.672	ug/l	97
56) Ethyl methacrylate	10.67	69	121652	40.524	ug/l	98
57) 1,3-Dichloropropane	10.96	76	186141	44.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	225664	197.307	ug/l	100
59) 2-Hexanone	10.99	43	273270	212.245	ug/l	99
60) Dibromochloromethane	11.14	129	149921	45.102	ug/l	98
61) 1,2-Dibromoethane	11.26	107	95727	40.377	ug/l	100
64) Tetrachloroethene	10.88	164	166662	49.422	ug/l	97
65) Chlorobenzene	11.68	112	462261	50.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	178840	52.000	ug/l	97
67) Ethyl Benzene	11.75	91	861118	52.004	ug/l	100
68) m/p-Xylenes	11.86	106	664836	104.021	ug/l	97
69) o-Xylene	12.19	106	299225	51.832	ug/l	99
70) Styrene	12.20	104	519201	51.237	ug/l	99
71) Bromoform	12.37	173	82925	42.280	ug/l #	99
73) Isopropylbenzene	12.48	105	832364	54.361	ug/l	100
74) N-amyl acetate	12.30	43	133345	40.740	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	102356	42.554	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	56270m	33.257	ug/l	
77) Bromobenzene	12.77	156	183678	48.820	ug/l	100
78) n-propylbenzene	12.83	91	975870	54.630	ug/l	99
79) 2-Chlorotoluene	12.91	91	526656	53.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	682298	54.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	33732	41.697	ug/l	97
82) 4-Chlorotoluene	13.01	91	552826	52.938	ug/l	99
83) tert-Butylbenzene	13.23	119	604288	55.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	672199	53.661	ug/l	99
85) sec-Butylbenzene	13.41	105	827123	55.246	ug/l	98
86) p-Isopropyltoluene	13.53	119	771570	53.896	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	373099	52.020	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	358358	50.861	ug/l	99
89) n-Butylbenzene	13.86	91	702502	54.492	ug/l	98
90) Hexachloroethane	14.12	117	144112	52.699	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	301101	49.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15809	40.543	ug/l	89

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93) 1,2,4-Trichlorobenzene	15.17	180	209440	46.510	ug/l	98
94) Hexachlorobutadiene	15.28	225	143353	50.589	ug/l	99
95) Naphthalene	15.41	128	286768	40.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	172617	44.901	ug/l	99

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

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