

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067056.D
 Acq On : 03 Oct 2020 01:59
 Operator : VA/SY
 Sample : L4247-02MS
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(0-1)MS

Quant Time: Oct 03 06:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	6982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	14565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	18733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	9466	50.00	ug/l	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	9418	140.04	ug/l	-0.01
Spiked Amount			Recovery	=	280.08%	
35) Dibromofluoromethane	7.91	113	5889	61.76	ug/l	0.00
Spiked Amount			Recovery	=	123.52%	
50) Toluene-d8	10.34	98	19124	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
62) 4-Bromofluorobenzene	12.63	95	8800	74.61	ug/l	0.00
Spiked Amount			Recovery	=	149.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2009	34.173	ug/l	99
3) Chloromethane	2.20	50	3557	63.971	ug/l	91
4) Vinyl Chloride	2.35	62	2321	41.630	ug/l #	71
5) Bromomethane	2.78	94	3810	111.331	ug/l	84
6) Chloroethane	2.92	64	2607	76.782	ug/l	100
7) Trichlorofluoromethane	3.27	101	4257	34.367	ug/l	84
8) Diethyl Ether	3.71	74	5168	168.245	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1508	21.539	ug/l #	85
10) Methyl Iodide	4.30	142	4226	62.121	ug/l #	92
11) Tert butyl alcohol	5.20	59	8803	2712.051	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	3551	53.952	ug/l	89
13) Acrolein	3.91	56	3774	838.097	ug/l	97
14) Allyl chloride	4.71	41	6940	81.167	ug/l #	84
15) Acrylonitrile	5.41	53	23057	2039.492	ug/l	99
16) Acetone	4.16	43	25477	2481.735	ug/l #	87
17) Carbon Disulfide	4.41	76	9577	47.413	ug/l	100
18) Methyl Acetate	4.71	43	27907	1081.604	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	21869	182.013	ug/l #	72
20) Methylene Chloride	4.96	84	8071	121.142	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	5309	70.878	ug/l	91
22) Diisopropyl ether	6.36	45	15838	101.462	ug/l #	98
23) Vinyl Acetate	6.31	43	34642	391.636	ug/l	97
24) 1,1-Dichloroethane	6.26	63	4579	38.010	ug/l #	89
25) 2-Butanone	7.21	43	36327	2495.923	ug/l	99
26) 2,2-Dichloropropane	7.21	77	5884	57.760	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	6412	80.154	ug/l	93
28) Bromochloromethane	7.54	49	6245	134.234	ug/l	97
29) Tetrahydrofuran	7.56	42	17384	2077.256	ug/l	95
30) Chloroform	7.71	83	10996	84.143	ug/l	93
31) Cyclohexane	7.99	56	2120	20.991	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	6101	50.375	ug/l	97
36) 1,1-Dichloropropene	8.11	75	4207	30.988	ug/l #	91
37) Ethyl Acetate	7.29	43	9248	196.634	ug/l #	89
38) Carbon Tetrachloride	8.09	117	3638	24.766	ug/l #	66

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

39) Methylcyclohexane	9.35	83	3392	23.632	ug/l #	85
40) Benzene	8.35	78	20014	53.075	ug/l	98
41) Methacrylonitrile	7.51	41	4580	180.254	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	11442	108.589	ug/l	99
43) Isopropyl Acetate	8.46	43	15346	177.119	ug/l	97
44) Trichloroethene	9.11	130	5210	46.269	ug/l	93
45) 1,2-Dichloropropane	9.39	63	6328	71.421	ug/l	97
46) Dibromomethane	9.47	93	7072	138.875	ug/l #	83
47) Bromodichloromethane	9.66	83	10670	80.606	ug/l #	89
48) Methyl methacrylate	9.46	41	9787	220.487	ug/l #	86
49) 1,4-Dioxane	9.46	88	4593	8641.934	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	63171	1463.768	ug/l	95
52) Toluene	10.40	92	11468	47.211	ug/l	90
53) t-1,3-Dichloropropene	10.62	75	10828	91.525	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	11027	76.330	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	10214	144.268	ug/l	92
56) Ethyl methacrylate	10.66	69	11773	161.063	ug/l	93
57) 1,3-Dichloropropane	10.94	76	14329	124.808	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.94	63	28539	701.482	ug/l	95
59) 2-Hexanone	10.98	43	44253	1536.328	ug/l	94
60) Dibromochloromethane	11.13	129	8847	93.755	ug/l	79
61) 1,2-Dibromoethane	11.25	107	9947	146.240	ug/l	98
64) Tetrachloroethene	10.88	164	3825	28.086	ug/l	89
65) Chlorobenzene	11.67	112	13901	37.311	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	5980	42.195	ug/l	80
67) Ethyl Benzene	11.74	91	19835	31.071	ug/l	90
68) m/p-Xylenes	11.86	106	14029	56.391	ug/l	94
69) o-Xylene	12.18	106	10118	45.480	ug/l	96
70) Styrene	12.20	104	14341	37.540	ug/l #	91
71) Bromoform	12.37	173	7541	102.507	ug/l #	100
73) Isopropylbenzene	12.48	105	9626	14.976	ug/l	86
74) N-amyl acetate	12.30	43	11182	96.775	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.73	83	12732	117.568	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	14613	177.230	ug/l #	100
77) Bromobenzene	12.76	156	6862	44.214	ug/l	88
78) n-propylbenzene	12.82	91	11745	15.462	ug/l	86
79) 2-Chlorotoluene	12.91	91	12037	27.696	ug/l	88
80) 1,3,5-Trimethylbenzene	12.96	105	26103	48.067	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.53	75	4284	129.537	ug/l	85
82) 4-Chlorotoluene	13.01	91	8586	18.568	ug/l	86
83) tert-Butylbenzene	13.21	119	7355	16.083	ug/l	84
84) 1,2,4-Trimethylbenzene	13.27	105	21644	39.938	ug/l	99
85) sec-Butylbenzene	13.40	105	6962	10.811	ug/l #	62
86) p-Isopropyltoluene	13.53	119	9568	16.025	ug/l	95
87) 1,3-Dichlorobenzene	13.51	146	8237	27.247	ug/l	82
88) 1,4-Dichlorobenzene	13.60	146	6964	23.039	ug/l	92
89) n-Butylbenzene	13.84	91	3863	7.080	ug/l #	46
90) Hexachloroethane	14.12	117	2482	23.732	ug/l #	22
91) 1,2-Dichlorobenzene	13.89	146	8002	30.309	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2423	138.799	ug/l	87

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93) 1,2,4-Trichlorobenzene	15.17	180	2688	15.740	ug/l #	89
94) Hexachlorobutadiene	15.27	225	242	2.307	ug/l #	61
95) Naphthalene	15.41	128	41088	144.248	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	2960	19.967	ug/l #	4

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

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