

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067456.D
 Acq On : 29 Oct 2020 17:08
 Operator : VA/SY
 Sample : L4560-05MSD
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:57 PM

Quant Time: Oct 30 03:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	12174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	21426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	21962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	13759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	11372	93.24	ug/l	0.00
Spiked Amount			Recovery	=	186.48%	
35) Dibromofluoromethane	7.92	113	8115	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	
50) Toluene-d8	10.34	98	28127	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.64	95	10436	58.16	ug/l	0.00
Spiked Amount			Recovery	=	116.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3592	35.489	ug/l #	67
3) Chloromethane	2.20	50	3215	41.962	ug/l	98
4) Vinyl Chloride	2.35	62	3504	41.682	ug/l	89
5) Bromomethane	2.77	94	4051	70.198	ug/l	88
6) Chloroethane	2.93	64	2799	53.463	ug/l #	83
7) Trichlorofluoromethane	3.27	101	8948	42.271	ug/l	86
8) Diethyl Ether	3.72	74	4192	86.542	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.10	101	4430	39.390	ug/l	93
10) Methyl Iodide	4.30	142	4402	42.431	ug/l #	98
11) Tert butyl alcohol	5.22	59	5001	908.836	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	5417	53.914	ug/l #	78
13) Acrolein	3.91	56	4910	636.879	ug/l #	64
14) Allyl chloride	4.73	41	4850	42.151	ug/l #	31
15) Acrylonitrile	5.43	53	15231	942.358	ug/l #	90
16) Acetone	4.16	43	18186	1064.677	ug/l	94
17) Carbon Disulfide	4.41	76	11247	39.266	ug/l #	92
18) Methyl Acetate	4.71	43	4773	122.510	ug/l #	55
19) Methyl tert-butyl Ether	5.48	73	18628	93.241	ug/l	93
20) Methylene Chloride	4.97	84	10535	100.851	ug/l #	81
21) trans-1,2-Dichloroethene	5.47	96	6248	54.037	ug/l	89
22) Diisopropyl ether	6.36	45	13847	65.878	ug/l #	87
23) Vinyl Acetate	6.30	43	44801	374.648	ug/l #	72
24) 1,1-Dichloroethane	6.27	63	11107	61.731	ug/l #	90
25) 2-Butanone	7.21	43	19105	981.208	ug/l	98
26) 2,2-Dichloropropane	7.21	77	9694	52.272	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	8053	63.550	ug/l	94
28) Bromochloromethane	7.55	49	5386	87.762	ug/l #	90
29) Tetrahydrofuran	7.56	42	10852	1002.636	ug/l	96
30) Chloroform	7.71	83	14888	69.266	ug/l	93
31) Cyclohexane	7.97	56	4674	33.272	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	10666	50.576	ug/l	95
36) 1,1-Dichloropropene	8.12	75	6936	38.194	ug/l	96
37) Ethyl Acetate	7.31	43	8447	158.096	ug/l #	86
38) Carbon Tetrachloride	8.10	117	8578	36.958	ug/l #	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067456.D
 Acq On : 29 Oct 2020 17:08
 Operator : VA/SY
 Sample : L4560-05MSD
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 B308-B309-LOC2SO-0003MSD

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:57 PM

Quant Time: Oct 30 03:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	5193	27.353	ug/l	87
40) Benzene	8.36	78	23801	47.774	ug/l	98
41) Methacrylonitrile	7.53	41	4365	151.181	ug/l #	74
42) 1,2-Dichloroethane	8.44	62	12081	77.487	ug/l	96
43) Isopropyl Acetate	8.45	43	12492	117.828	ug/l #	84
44) Trichloroethene	9.12	130	7203	45.157	ug/l	78
45) 1,2-Dichloropropane	9.40	63	6917	59.907	ug/l	93
46) Dibromomethane	9.48	93	6226	86.546	ug/l	92
47) Bromodichloromethane	9.67	83	13829	71.750	ug/l	88
48) Methyl methacrylate	9.46	41	5590	108.498	ug/l	92
49) 1,4-Dioxane	9.46	88	2440	3583.348	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	34286	648.387	ug/l	100
52) Toluene	10.41	92	16017	47.203	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	12667	74.815	ug/l #	84
54) cis-1,3-Dichloropropene	10.10	75	12511	63.140	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	9423	96.057	ug/l	91
56) Ethyl methacrylate	10.67	69	9525	93.623	ug/l	91
57) 1,3-Dichloropropane	10.95	76	13550	86.795	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	22335	427.943	ug/l	94
59) 2-Hexanone	10.99	43	25701	711.274	ug/l	96
60) Dibromochloromethane	11.15	129	13228	92.464	ug/l	87
61) 1,2-Dibromoethane	11.25	107	9335	96.525	ug/l	99
64) Tetrachloroethene	10.88	164	7886	49.560	ug/l #	89
65) Chlorobenzene	11.67	112	20364	48.354	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	10237	61.159	ug/l	95
67) Ethyl Benzene	11.75	91	26712	37.001	ug/l	94
68) m/p-Xylenes	11.86	106	21427	77.075	ug/l	93
69) o-Xylene	12.18	106	10874	42.240	ug/l	92
70) Styrene	12.20	104	18380	41.476	ug/l	97
71) Bromoform	12.36	173	8512	94.660	ug/l #	92
73) Isopropylbenzene	12.48	105	25632	29.353	ug/l	96
74) N-amyl acetate	12.29	43	8400	63.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	12034	89.940	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	9122m	95.656	ug/l	
77) Bromobenzene	12.77	156	9973	45.809	ug/l	80
78) n-propylbenzene	12.83	91	28847	28.512	ug/l	99
79) 2-Chlorotoluene	12.91	91	20077	34.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	20284	26.730	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.53	75	3058	72.718	ug/l #	89
82) 4-Chlorotoluene	13.01	91	22875	36.733	ug/l	98
83) tert-Butylbenzene	13.23	119	17898	27.922	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	22195	29.593	ug/l	99
85) sec-Butylbenzene	13.41	105	22821	25.946	ug/l	94
86) p-Isopropyltoluene	13.52	119	22300	26.862	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	18042	43.056	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	18610	44.826	ug/l	95
89) n-Butylbenzene	13.85	91	19501	26.701	ug/l	98
90) Hexachloroethane	14.11	117	4289	29.606	ug/l	89
91) 1,2-Dichlorobenzene	13.89	146	16965	46.344	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2260	92.975	ug/l	72

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067456.D
Acq On : 29 Oct 2020 17:08
Operator : VA/SY
Sample : L4560-05MSD
Misc : 6.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC2SO-0003MSD

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:57 PM

Quant Time: Oct 30 03:26:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	10170	41.206	ug/l	100
94) Hexachlorobutadiene	15.28	225	4617	30.124	ug/l	94
95) Naphthalene	15.41	128	25795	63.657	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.60	180	10546	49.460	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067456.D
 Acq On : 29 Oct 2020 17:08
 Operator : VA/SY
 Sample : L4560-05MSD
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2SO-0003MSD

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:57 PM

Quant Time: Oct 30 03:26:06 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

